

WORD PROCESSING

TUTORIAL

USING FURNELLEWEB WORD PROCESSOR

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next time you load it into memory. To change the tabs, escape to the command mode and type ST (swap tabs). If the alternate screen format and tab switching will follow Press **ENTER** to accept the new set. The other new tab settings. To revert to the the new tab settings. To do so now, and set tabs have been set up, do so now, and press **ENTER** to accept the new set.

FILE HANDLING

PRINTER FILES

PF is the command to send the text to the memory buffer to a printer. You are prompted for a device name for your printer. Valid device names normally used are PF0 through PF10. PF10, followed by <ENTER> will print out the whole of the text in memory just before to print out the complete But the PF is more versatile than just before to print out the complete text buffer. You can direct to the printer a specific part of the printout to cover a specific part of the file by specifying the device name with numbers or letters. The following are valid input for the device name, PF0.

But the PF is more versatile than just before to print out the complete text buffer. You can direct to the printer a specific part of the printout to cover a specific part of the file by specifying the device name with numbers or letters. This is done in the command mode after typing d and pressing <ENTER>, when a large number of lines have to be deleted.

MARGIN-RELEASE (CTRL/Y) The cursor movement is limited by the tab margin settings so that it can only move within the left and right margins. If you find a need, however, to move the cursor outside these left and right margins, if you find a need to move the cursor outside these left and right margins, it can be done on the next keypress after pressing CTRL/Y. In other words you need to move the cursor to the margin you wish to cross, press CTRL/Y and then the appropriate arrow key.

DELETE LINE

Normaly you would delete a line or two of text by using FCTN/3 but there are times when a large number of lines have to be deleted. This is done in the command mode after typing d and pressing <ENTER>. The prompt, "start line and stop line" tells what to do. Separate the relevant lines what to do. Start line and stop line" tell the user what to do. The user has greatly improved the speed of the command mode, type S and press <ENTER> and type a line number. SHOW will speed up the process of displaying it for you. Escape to command mode, type S and press <ENTER> and type a line number. The part of the text suitable for line number. That part of the text will appear the assigment you are writing is serial. You press the <ENTER> key. The line instant you press the valid and quickly shows the very last line of your work. Roll down FCTN/4) and Roll up or down 24 lines at a time.

SHOW LINE

The S command allows you to control which line numbers will appear at the top of the screen. Suppose the assigment you are writing is serial. You want to refer back to the first line spaces following it. Line numbers in length are two digits of the line number and the line characters of each line. A line would normally be up to 80 characters long but the other 6 are taken up by characters of text on each line. The first 74 characters the text but only the last 48 through to the end of the text. Remember the "E" represents the last line number. The P10 prints the line numbers as well as the two digits of the line number and the line characters of each line. A line would normally be up to 80 characters long but the other 6 are taken up by characters of text on each line. The first 74 characters the text but only the last 48 through to the end of the text. Remember the "E" represents the last line number.

LINE SPACES

L 33 46 P10 prints from 33 to 46 including the line numbers (can you guess?), yes, the lines from 33 to 46 are assigned the same number. Amazong the line spaces following it.

P10 PRINTS

P10 prints the text in fixed 80 format. One use for this function is to edit an assembly object code file and to save it back to disk by using a disk assembly instead of a file. WP text files are normally saved as VARIABLE length records.

C P10

DE for delete file appeared in the T1-Writer Editor so that particular function has been greatly superceded by disk files could be deleted. Its function has been greatly superceded and enhanced in Funnelweb's word processor to become a SD (show directory) command. You need to consult the finer points of disk management to start purging all text in the memory buffers if you answer "yes" to the prompt. You then have a clean slate again to start on.

DE for DSKL.FILENAME. It should be no trouble to work that one out if you remember that the first number is the line in which the insertion is to be made.

Disk file into the existing text with: And deeper yet! Merge PART of a memory. at the beginning of the existing file.

SPLITTING FILES DE purges all text in the memory buffers if

SAVING AND LOADING FILES FROM DISK DE for this utility. A prompt then name for this device name to save the file requires the string must be preceded by a slash and followed by a slash. For example, to find the string "word processor" your entry would be "word processor" . The search case in upper case (WORD PROCESSOR) when the search is to be made. The string in sensitive and will not find a string of words together. The search case in word processor" . After the position text will be searched from the center, the cursor will be positioned at the end of the string found. If not successful, the cursor will appear after the first matching character in the search will be successful.

26 E DSKL.FILENAME 108 DSKL.FILENAME DSKL.FILENAME

To load a file, type lf on the command line and then at the prompt the pathname to the file on disk such as:

16 120 DSKL.FILENAME loads in just those line numbers from the memory buffer numbered from line 1, of course.

0 40 DSKL.FILENAME DSKL.FILENAME merges all of

Things now get deeper. You can merge a disk file with what is already in memory with:

10 DSKL.FILENAME merges all of DSKL.FILENAME and places it after the existing line 10 and before the existing line 11. Obviously the old lines line numbers will now have much higher line numbers.

DESKL.FILENAME merges all the disk file at the end of the existing file in memory the current tab settings. This can be ussing the automatic reformatting of that paragraph replacement replacing solid cursor, all starting with the word-warp mode.

NOTE WELL. If in the word-warp mode to stop and escape to the edit mode.

A to replace all occurrences of the string. Y to ignore this one and go on to the next. Y to replace this one and find the next.

So type

Yes, No, All or Stop?

RS (ReplaceString) requires an input of the string to be searched for as well as the string to replace it with. An input such as /RS!/Repetitive Strain Injury/ will replace the abbreviation with the full name for the "affliction". But when the cursor appears over the first occurrence of the string "RS!", this list of prompts can be seen on the command line:

cursor over the first occurrence of the string "RS!", this list of prompts can be seen on the command line -

REPLACEMENTS DSKL.FILENAME

100 E DSKL.FILENAME DSKL.FILENAME

DSKL.FILENAME

is a section of your work that has been set out in tabular form. Rearranging will close it all up to just one space between each item. To overcome this, turn word wrap off before making the change in that section.

FORMATTER TEXT DIMENSION COMMANDS

LEFT MARGIN

LM .6 sets the left margin at column 6 on the page.

LM .5 adjusts the left margin inwards 5 columns more than the previous settings. LM .5 separates the left margin from others 5 columns less than the previous setting.

RIGHT MARGIN

RM .70 sets the right margin at column 70 on the printed page.

RM .5 adjusts the right margin outwards 5 columns more than the previous settings. RM .5 separates the left margin from others 5 columns less than the previous setting.

LINE MANIPULATION

FI (fill) puts as many whole words as possible on each line to fill within the left and right margin limits. IN +10 sets the indentation to 10 columns (carriage return) to column 8.

IN 8 indent the first line after a „. IN +10 sets the indentation to 10 columns (carriage return) to column 8. IN -5 sets the indentation to 5 columns inward from the current LM setting. IN -5 sets the indentation to 5 columns inward from the current LM setting. IN -5 indent the first line after a „.

INDENT

NE (No fill) cancels the PT command and prints the part of the PT command following the NF exactly as it would appear on the screen.

AD (adjust) in conjunction with a F111 command spreads the spacing between words so that the printed text reaches the right margin exactly. Lines ending with a „, will not be adjusted nor will they need to be. The formatter cannot differentiate between printer control codes ordinary text, so adjusted text and differentiates between printer control codes placed within the text and control codes may not cancel the adjust following it will have ends. NA (No adjust) cancels the adjust command completely reach the right margin.

LS 2 causes printing on every second line only.

LINE SPACING

LS 2 causes printing on every second line only.

It is also permissible to leave spaces between the command and the number etc. The following explanations will throw some light on how these commands will influence the final printed output.

.LMS;RM75;IN+5;PI;AD;PL56;CE2

The formatter case and preceded by a dot (hence in upper case and preceded by a dot (hence in uppercase letters themselves. More than one command can be placed on a line and only at the beginning of a line need to be separated by a semi-colon. The needs to be only one dot used for each command must be separated by a semi-colon, e.g., The very first line in a text file might have the following format:

THE FORMATTER COMMANDS

The features shown and printing should begin. Press <ENTER> for now to accept the other prompts on the requester screen. Just press prompts at the requested places. To all the requester at the requester line feed commands to the device will issue line feed commands but consult your printer case the formatter special baud rate is needed in case some serial connection you have a serial printer. Then RS232, LF will be the devicename but DEVICE NAME will usually be answered as PIOLF unless you have a serial printer. The second prompt of PRINT the second prompt of PIOLF usually be answered as PIOLF unless you have a serial printer. When the formatter program is loaded, the first prompt asks for the INPUT FILENAME. This is the name under which the text file had been saved and will be the name of the file you want to print.

When the text file you want to print, the text set the current left and right margins, page length and line spacing etc. for printing. That set the current left and right margins, page length and line spacing etc. for printing. These commands are the ones referred to as dot commands are the ones of a text file according to the formatting commands that are imbedded in the text file. These commands in the text file, before making the changes in that section.

The text formatter is a program loaded separately which allows the printing of a text file according to the previous settings of the text separator which allows the printing of a text file according to the previous settings of the text separator. The text separator is a program loaded separately which allows the printing of a text file according to the previous settings of the text separator. The text separator is a program loaded separately which allows the printing of a text file according to the previous settings of the text separator.

TEXT FORMATTER

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The text character that words joined by it are to be

REQUIRED SPACE WITH

Certain characters are used by the text formatter as flags to effect some print output features. The characters in print specification, at and circumflex [carpeted], for required space for requested output, and for underline, for carriage control, for separator, for regular space, for overstrike, for print margin, for overprint, for overline, for reverse, for underline, for repeat, for space after and before, and for tab.

HIGHLIGHTING AND SPECIAL EFFECTS

I guess by now you have discovered some one-line formating example cases the given below will do.

OVERSTRIKING WITH A

On a line of text with + or - relative commands, an indent with line length, last command dot sets the title is towards the dot of a line and cannot be fitted in full onto the next line. That would leave spaces between words. You may not find the previous line a great number of lines if the next line is too far apart in the meantime, the line will be printed making changes to this margin.

The tab settings govern the way the text will look on the screen and the dot commands in which some text is manipulated the way in which some text is printed. Remember two things:

SP leaves 5 blank lines.

SP leaves one blank line on the printed page.

SPACE

CE centres the next line between the current left and right margins.

INTERNAL FORMAT COMMANDS

BP forces a new page break. The current page starts again.

PL value is then restored and countdown of previous setting.

BEGIN PAGE

PL-3 as above.

PAGE LENGTH

PL prints 60 lines then starts a new page.

Here is a sample file based on Jack's ideas that contains a lot of TLS for printer control through the Text Formatter. By using this most printer code sequences, no matter how long or involved, can be invoked by placing just a single character in the text. The file below has codes invoked by the text. The file below has characters saved as ASCII, and stored on every disk unit most printers. The file should be saved as DSK1.HTL and from this alternate mode, you press CTRL/U. In this mode, you can type a carriage return (CR/L/U) to 31 as well. To toggle back to and from this mode, you press CTRL/U. In this mode, you can type ASCII values from 0 to 127 as well. But there is another mode provided in the wrap mode that ranges from 32 to 127 as shown in the Basic Manual. The MP editor similarly limits the range of characters in the word wrap mode to this range.

In ASCII, the normal set of characters range useful for translation and for printer control, the range of characters is as follows:

PA followed by a number sets header or footer pages to begin from that number. Relative values such as +2 or -1 can also be used to reset page numbers.

A11 the tiny characters are depicted in hexadecimal except for decimal 10, 12 and 13. These are special printer control characters that control the paper feed and print head position of the paper feed general. Once you have got the club program library, you can type a valuable disk that is probably in your club program library. Once you have got the general hanging of transmitters and the flying of files ask your program plus!, print for Jack Shugue's disk called PLUS!.

I should make passing mention here of a valuable disk that is probably in your club program library. Once you have got the general hanging of transmitters and the flying of files ask your program plus!, print for Jack Shugue's disk called PLUS!.

MORE ON TRANSLITERATION

SHFT/J, L and M respectively. PA followed by a number sets header or footer pages to begin from that number. Relative values such as +2 or -1 can also be used to reset page numbers.

1 line blank

1 line blank

2 lines of text

52 lines of text

1 line either a header or blank

Concentrating page numbers in headers or footers, what if we want to start numbering the pages from something other than one or even skip a page number? Then you should see on the screen a dash-B character. They are called linefeed, formfeed and carriage return respectively and show on the screen as LF, FF and CR. They can be general characters that control the paper feed and print head position of the paper feed general. Once you have got the club program library, you can type a valuable disk that is probably in your club program library. Once you have got the general hanging of transmitters and the flying of files ask your program plus!, print for Jack Shugue's disk called PLUS!.

It seems that the F-Web formatter prints out three lines less than the command setting. On a setting of 60 lines per page, for example, the format printed 16+11=27. To type the W you now out of screen as a tiny dash-B. In hexadecimal screen 27 shows on the subtracts the 64 and character 91, the CTR/U mode which is ASCII 16+11=27. To type the W you now out of screen as a tiny dash-B. In hexadecimal screen 27 shows on the subtracts the 64 and character 91, the CTR/U mode which is ASCII 91, would you believe, is character 87, and the I, would you believe, is character 87, and the ESC is character 27, print it is ESC 1. The ESC is character 27, repeating you want to enlarge. First the ESC header, then the dot command can be printed at the bottom of each page just you can type this printer code just before any value below 32 you can directly control the W is character 87, and the I, would you believe, is character 87, and the ESC is character 27, print it is ESC 1. The ESC is character 27, the printer code for expanded or enlarged your printer from within your text, e.g., the title is the ability to type ASCII values below 32 you can directly control the top of each page. The circumflexes forces the title to be spaced out like the previous header command. HE, without anyting after it cancels any overstrike four times, raises the headline and the new line.

F0 ensures that a footer is printed by any text to be printed and can be followed by a blank line. The dot command can be followed by any text to be printed and can be printed at the bottom of each page. The circumflexes appears in CTRL/U mode, all key ASCII values are reduced by mode. So a 3 (ASCII 64) shows up as ASCII 0, an A (65) becomes a 1 and so on.

But there is another mode provided in the wrap mode that ranges from 32 to 127 as shown in the Basic Manual. The MP editor similarly limits the range of characters in the word wrap mode to this range.

This important character set is useful for translation and for printer control, the range of characters in ASCII, the normal set of characters range useful for translation and for printer control, the range of characters is as follows:

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ALTERNATE CHARACTER SET

PA followed by a number sets header or footer pages to begin from that number. Relative values such as +2 or -1 can also be used to reset page numbers.

1 line either a footer or blank

1 line blank

2 lines of text

52 lines of text

1 line either a header or blank

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The title is the ability to type ASCII values from 0 to 127 as well. To toggle back to and from this mode, you press CTRL/U. In this mode, you can type ASCII values from 0 to 127 as well. But there is another mode provided in the wrap mode that ranges from 32 to 127 as shown in the Basic Manual. The MP editor similarly limits the range of characters in the word wrap mode to this range.

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FOOTER

As a matter of interest, the control characters from 0 to 31 in value were named in the days of early systems as tele-type electronic text communication and became more evident in the days of teletype transmission. Some of the mnemonics that were generally depicted the function of the characters are:

Cancel overlining ESC C 0
Begin overlining ESC C 1
Cancel expanded print ESC W 0
Begin expanded print ESC W 1
Cancel either ESC T 0
Begin subscript ESC S 0
Cancel subscript ESC S 1
Begin italicics ESC M 0
Cancel italicics ESC M 1
Cancel above ESC H 0
Begin strikeout ESC I 0
Cancel underline ESC - 0
Stop underlining ESC G 0
Begin underlining ESC - 1
Cancel emphasized ESC F 1
Begin emphasized ESC E 0
Dipper print ESC 5 0
Begin tatics ESC 4 0
Cancel mode ESC N 0
Begin Elite size ESC : 18
Cancel mode ESC : 15
Begin Pica size DCA 18
Cancel Pica size DCA 15
Begin condensed mode DC2 18
Cancel condensed mode DC2 15
Begin expanded mode DCA 20
Cancel expanded mode DCA 14
Expanded printing SO 14

Function Mnemonic Characters

When the printer receives a valid single control character is removed from the text string and the text string is acted upon according to the function it controls from the first control character to the last character removed by the printer receiving the text string from the first control character will usually be the character 27 and it will be followed by one or more other characters. The control character 27, usually referred to as an escape code, will be removed as well as a sequence of other characters, the number depending on what the second character is.

The number of other characters depends on what the second character is.

One aspect of word processing that needs more coverage, I feel, is the use of printer functions and control code sequences are both mnemonics and sequences that are equivalent to the various sequences that are manipulated by a number from 1 to 99 and terminates with another asterisk. If this format is not adhered to, the printer can do strange things to the text. That is why from some other character non-sensitive to the formfeed must be transferred a printed asterisk must be transferred to a great range in length from just one character to a great number of most common sequences, however, are from three to three characters.

THE PRINTERS

You've seen how variables such as *4* are placed in for later treatment. In a particular way by the Text Formatter.

4 are placed in form letters and treated as printer control sequences can be grouped into the following categories:

1. Text mode settings
2. Print positionning
3. Page formatting
4. Graphic bit imaging
5. Downloading characters
6. Printer status

TEXT MODE SETTINGS

For each of these groups the printer functions and control code sequences are given as both mnemonics and their equivalents that are equivalent to the text strings that are manipulated by the printer.

1. Text mode settings
2. Print positionning
3. Page formatting
4. Graphic bit imaging
5. Downloading characters
6. Printer status

THE PRINTER CONTROL CODES

ASCII	MNE	Meaning
2	STX	Start of text.
3	ETX	End of text
6	ACK	Acknowledge
7	BEL	ding a Ling
8	BS	Back space
12	FF	Form feed
14	SO	Shift Out
20	DCA	Device control 4
27	ESC	Escape

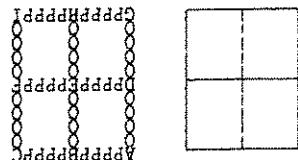
This is a list of define prompts must be placed in the form letter prior to the first occurrence of a variable. The list might look like this:

.DPA : Dear!,
.DP3 : CITY TECH.,
.DP2 : STREETZ.,
.DPI : NAMEZ.,

Then as each variable is enclosed, the prompt you defined for that variable number pops up to jog your memory on what kind of response to give.

PAGE FORMATTING		
Function	Monemonic	Characters
Set 1/8" Line Spacing	ESC 0	27 48
Set 7/12" Spacing	ESC 1	27 49
Set 1/6" Line Spacing	ESC 2	27 50
Set A/216" Spacing	ESC 3	27 51 n
Set page length inches	ESC C 0 n	27 67 0 n
Set page length lines	ESC C n	27 67 n
Set vertical underlining soft	ESC F1A and F1B	27 68
Near Letter Quality is Tops	ESC F1C and F1D	27 69
Elite Style is 12 Characters per inch	ESC F1E and F1F	27 70
EMphasized is Darker and Broader	ESC F1G and F1H	27 71
Some of the different text modes can be combined as you have probably noticed in the examples above. For convenience, those that will combine are more easily seen if the codes are put into sub-groups. You can use any code from one of the sub-groups with one from another of the others but don't be disappointed if some discrepancies occur. Your printer manual might list some of the restrictions and which ones have priority over others.		
These codes are used by such programs as TI Artist, My Art and Page Pro in their output of graphic designs to paper. The complications of their use would be beyond the scope of this article. Briefly, programs as TI Artist, My Art and Page Pro in the monochrome mode have a set of graphic characters restituted to horizontal and vertical strokes that could be suitable for drawing. Their ASCII values are usually greater than 128 so are not readily available in word processing. They can be printed however by using transmitters such as these that bottom out the page margin to "n" lines. That is, the distance from the first to the last line is, the page margin to "n" lines, sets the space left uninterrupted at the perforation of continuous (fan fold) paper. It sets the margin in 28 columns just like it appears on the screen, set these two values to 1 and 28 or if you want to list a basic program in 28 columns just like it appears on the screen, set these two values to 1 and 28 on the page, set it to a pair of higher numbers.		

CHARACTERS		
Function	Monemonic	Characters
CO use CTRL/U + SHIFT		
Set margin		
Space		
Horizontal Line		
Vertical Line		
Left Margin		
Right Margin		
Bottom Margin		
Top Margin		
Bottom Left Margin		
Bottom Right Margin		
Top Left Margin		
Top Right Margin		
Bottom Center Margin		
Top Center Margin		
Left Center Margin		
Right Center Margin		
Bottom Left Corner		
Bottom Right Corner		
Top Left Corner		
Top Right Corner		
Bottom Center		
Top Center		
Left Center		
Right Center		
Bottom Left Interest		
Bottom Right Interest		
Top Left Interest		
Top Right Interest		
Bottom Center Interest		
Top Center Interest		
Left Center Interest		
Right Center Interest		
Bottom Left Intersector		
Bottom Right Intersector		
Top Left Intersector		
Top Right Intersector		
Bottom Center Intersector		
Top Center Intersector		
Left Center Intersector		
Right Center Intersector		
Bottom Left Cross		
Bottom Right Cross		
Top Left Cross		
Top Right Cross		
Bottom Center Cross		
Top Center Cross		
Left Center Cross		
Right Center Cross		
Bottom Left Cornerer		
Bottom Right Cornerer		
Top Left Cornerer		
Top Right Cornerer		
Bottom Center Cornerer		
Top Center Cornerer		
Left Center Cornerer		
Right Center Cornerer		
Bottom Left Transmitter		
Bottom Right Transmitter		
Top Left Transmitter		
Top Right Transmitter		
Bottom Center Transmitter		
Top Center Transmitter		
Left Center Transmitter		
Right Center Transmitter		
Bottom Left Return		
Bottom Right Return		
Top Left Return		
Top Right Return		
Bottom Center Return		
Top Center Return		
Left Center Return		
Right Center Return		
Bottom Left Skip		
Bottom Right Skip		
Top Left Skip		
Top Right Skip		
Bottom Center Skip		
Top Center Skip		
Left Center Skip		
Right Center Skip		
Bottom Left Esc		
Bottom Right Esc		
Top Left Esc		
Top Right Esc		
Bottom Center Esc		
Top Center Esc		
Left Center Esc		
Right Center Esc		
Bottom Left Margin		
Bottom Right Margin		
Top Left Margin		
Top Right Margin		
Bottom Center Margin		
Top Center Margin		
Left Center Margin		
Right Center Margin		
Bottom Left Interest Margin		
Bottom Right Interest Margin		
Top Left Interest Margin		
Top Right Interest Margin		
Bottom Center Interest Margin		
Top Center Interest Margin		
Left Center Interest Margin		
Right Center Interest Margin		
Bottom Left Cross Margin		
Bottom Right Cross Margin		
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Bottom Left Intersector Margin		
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Bottom Center Intersector Margin		
Top Center Intersector Margin		
Left Center Intersector Margin		
Right Center Intersector Margin		
Bottom Left Transmitter Margin		
Bottom Right Transmitter Margin		
Top Left Transmitter Margin		
Top Right Transmitter Margin		
Bottom Center Transmitter Margin		
Top Center Transmitter Margin		
Left Center Transmitter Margin		
Right Center Transmitter Margin		
Bottom Left Return Margin		
Bottom Right Return Margin		
Top Left Return Margin		
Top Right Return Margin		
Bottom Center Return Margin		
Top Center Return Margin		
Left Center Return Margin		
Right Center Return Margin		
Bottom Left Esc Margin		
Bottom Right Esc Margin		
Top Left Esc Margin		
Top Right Esc Margin		
Bottom Center Esc Margin		
Top Center Esc Margin		
Left Center Esc Margin		
Right Center Esc Margin		
Bottom Left Set Margin		
Bottom Right Set Margin		
Top Left Set Margin		
Top Right Set Margin		
Bottom Center Set Margin		
Top Center Set Margin		
Left Center Set Margin		
Right Center Set Margin		
Bottom Left Cancel		
Bottom Right Cancel		
Top Left Cancel		
Top Right Cancel		
Bottom Center Cancel		
Top Center Cancel		
Left Center Cancel		
Right Center Cancel		
Bottom Left Form Feed		
Bottom Right Form Feed		
Top Left Form Feed		
Top Right Form Feed		
Bottom Center Form Feed		
Top Center Form Feed		
Left Center Form Feed		
Right Center Form Feed		
Bottom Left Carriage Return		
Bottom Right Carriage Return		
Top Left Carriage Return		
Top Right Carriage Return		
Bottom Center Carriage Return		
Top Center Carriage Return		
Left Center Carriage Return		
Right Center Carriage Return		
Bottom Left Set Per Margin		
Bottom Right Set Per Margin		
Top Left Set Per Margin		
Top Right Set Per Margin		
Bottom Center Set Per Margin		
Top Center Set Per Margin		
Left Center Set Per Margin		
Right Center Set Per Margin		
Bottom Left Set Esc		
Bottom Right Set Esc		
Top Left Set Esc		
Top Right Set Esc		
Bottom Center Set Esc		
Top Center Set Esc		
Left Center Set Esc		
Right Center Set Esc		



Redefined characters can be down loaded to the printer using code from this group. Another code allows selection of the downloaded character set or the standard set for printing. This data transfer sends bytes each representing 8 vertical dots to be printed. The 8/9 pin type of printer would take about 13 bytes to define a character. The more pins your printer has the more bytes that have to be sent to define a character. For my printer which defines a character set of 96 dots deep and 36 wide in the high quality mode it takes 224 bytes to reduce just one character and 96 disk sectors to house a full set from ASCII 32 to 126.

Modern printers have a range of selectable fonts such as Courier, Sanserif, Output. These can be selected either by using control codes or by push buttons on the printer. A good variety in dot matrix fonts such as Courier, Sanserif, Output etc that give a good variety in characters. The one after Z is the next look up in ASCII table to find the next 26th. How do we get the others up to 31? But when we get to the 27th, its only the screen? Of course, the 9th letter of the alphabet. And which key put a tiny I on the screen? Right again! The last letter on the screen? Right again! The 9th letter of the screen? Of course, the "A", the last letter which key press produced a tiny I on the screen. Which character on the screen, each resultant character in Z while watching case the CTRL/U mode type the upper in the CTRL/U mode type the upper

One other number is missing, the 0. It surely comes before 1 which is obtained with SHIFT-A. The ASCII table shows the "A" character is preceded by "g" so that's it. Little with them for a while if it's still a little hazy. Notice that you can type your own CR, LF and FF symbols on the screen. ESC character, 27 as we already knew but didn't know why.

Resetting the printer controls all previous set codes. Unlike previous print is necessary for printing graphics as well as horizontal registration otherwise they are sixteen + B (11). So 1B is equivalent to 1 sixteen + B (11). In decimal notation to hexadecimal, in decimal "houses" are sixteen and units which a H, you can apply the principles of decimal prefixed with a > or a < or suffixed decimal and hexadecimal, the latter usually being a H. Now comes the process of typing function. Now comes the characters listed for that particular function.

Now comes the characters listed for that particular function. You will have to refer to both the memory and control code sequences into your text. You will have to type characters less than 32. Starting at ESC which is less than 32. As you know, we need the code CTRL/U mode to type characters less than 32. The printer to subscipt, i.e., ESC S 1 with the printer to set the code to take the code first. Firstly, we'll take the code to set

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7	>7
8	>8
9	>9
10	>A
11	>B
12	>C
13	>D
14	>E
15	>F
16	>16
17	>17
18	>18
19	>19
20	>1A
21	>1B
22	>1C
23	>1D
24	>1E
25	>1F
26	>1A
27	>1B
28	>1C
29	>1D
30	>1E
31	>1F

PRINTING

The printer status is a range of

PRINTING

