

Non-Printable ASCII Characters

Non-printable ASCII Characters, also known as Control Characters, are used to send commands to the electronic devices such as PC, Printer, or are based on telex technology. These characters allow us to set line breaks or tabs.

The following table shows the Non-printable ASCII Characters:

Decimal (DEC)	Hexadecimal (HEX)	Octal	Binary	Symbol	Description
0	0	0	0	NUL	[NULL]
1	1	1	1	SOH	[START OF HEADING]
2	2	2	10	STX	[START OF TEXT]
3	3	3	11	ETX	[END OF TEXT]
4	4	4	100	EOT	[END OF TRANSMISSION]
5	5	5	101	ENQ	[ENQUIRY]
6	6	6	110	ACK	[ACKNOWLEDGE]
7	7	7	111	BEL	[BELL]
8	8	10	1000	BS	[BACKSPACE]
9	9	11	1001	HT	[HORIZONTAL TAB]
10	A	12	1010	LF	[LINE FEED]
11	B	13	1011	VT	[VERTICAL TAB]
12	C	14	1100	FF	[FORM FEED]
13	D	15	1101	CR	[CARRIAGE RETURN]
14	E	16	1110	SO	[SHIFT OUT]
15	F	17	1111	SI	[SHIFT IN]
16	10	20	10000	DLE	[DATA LINK ESCAPE]
17	11	21	10001	DC1	[DEVICE CONTROL 1]
18	12	22	10010	DC2	[DEVICE CONTROL 2]
19	13	23	10011	DC3	[DEVICE CONTROL 3]
20	14	24	10100	DC4	[DEVICE CONTROL 4]
21	15	25	10101	NAK	[NEGATIVE ACKNOWLEDGE]
22	16	26	10110	SYN	[SYNCHRONOUS IDLE]
23	17	27	10111	ETB	ENG OF TRANS. BLOCK
24	18	30	11000	CAN	[CANCEL]
25	19	31	11001	EM	[END OF MEDIUM]
26	1A	32	11010	SUB	[SUBTITUTE]
27	1B	33	11011	ESC	[ESCAPE]
28	1C	34	11100	FS	[FILE SEPARATOR]
29	1D	35	11101	GS	[GROUP SEPARATOR]
30	1E	36	11110	RS	[RECORD SEPARATOR]
31	1F	37	11111	US	[UNIT SEPARATOR]