

ASCII Table

Reference to ASCII Table of Windows-1252

ASCII control characters (character code 0-31)

The first 32 characters in the ASCII-table are unprintable control codes and are used to control peripherals such as printers.

| DEC | OCT | HEX | BIN | Symbol | HTML Number | HTML Name | Description |
|-----|-----|-----|----------|--------|-------------|-----------|-----------------------------|
| 0 | 000 | 00 | 00000000 | NUL | � | | Null character "\0" |
| 1 | 001 | 01 | 00000001 | SOH | | | Start of Heading |
| 2 | 002 | 02 | 00000010 | STX | | | Start of Text |
| 3 | 003 | 03 | 00000011 | ETX | | | End of Text |
| 4 | 004 | 04 | 00000100 | EOT | | | End of Transmission |
| 5 | 005 | 05 | 00000101 | ENQ | | | Enquiry |
| 6 | 006 | 06 | 00000110 | ACK | | | Acknowledge |
| 7 | 007 | 07 | 00000111 | BEL | | | Bell, Alert |
| 8 | 010 | 08 | 00001000 | BS | | | Backspace |
| 9 | 011 | 09 | 00001001 | HT | 	 | | Horizontal Tab '\t' |
| 10 | 012 | 0A | 00001010 | LF |
 | | Line Feed '\n' |
| 11 | 013 | 0B | 00001011 | VT | | | Vertical Tabulation |
| 12 | 014 | 0C | 00001100 | FF |  | | Form Feed |
| 13 | 015 | 0D | 00001101 | CR |  | | Carriage Return |
| 14 | 016 | 0E | 00001110 | SO | | | Shift Out |
| 15 | 017 | 0F | 00001111 | SI | | | Shift In |
| 16 | 020 | 10 | 00010000 | DLE | | | Data Link Escape |
| 17 | 021 | 11 | 00010001 | DC1 | | | Device Control One (XON) |
| 18 | 022 | 12 | 00010010 | DC2 | | | Device Control Two |
| 19 | 023 | 13 | 00010011 | DC3 | | | Device Control Three (XOFF) |
| 20 | 024 | 14 | 00010100 | DC4 | | | Device Control Four |
| 21 | 025 | 15 | 00010101 | NAK | | | Negative Acknowledge |
| 22 | 026 | 16 | 00010110 | SYN | | | Synchronous Idle |
| 23 | 027 | 17 | 00010111 | ETB | | | End of Transmission Block |
| 24 | 030 | 18 | 00011000 | CAN | | | Cancel |
| 25 | 031 | 19 | 00011001 | EM | | | End of medium |
| 26 | 032 | 1A | 00011010 | SUB | | | Substitute |
| 27 | 033 | 1B | 00011011 | ESC | | | Escape |
| 28 | 034 | 1C | 00011100 | FS | | | File Separator |
| 29 | 035 | 1D | 00011101 | GS | | | Group Separator |
| 30 | 036 | 1E | 00011110 | RS | | | Record Separator |
| 31 | 037 | 1F | 00011111 | US | | | Unit Separator |

ASCII printable characters (character code 32-127)

Codes 32-127 are common for all the different variations of the ASCII table, they are called printable characters, represent letters, digits, punctuation marks, and a few miscellaneous symbols. You will find almost every character on your keyboard. Character 127 represents the command DEL.

| DEC | OCT | HEX | BIN | Symbol | HTML Number | HTML Name | Description |
|-----|-----|-----|----------|--------|-------------|-----------|--|
| 32 | 040 | 20 | 00100000 | SP | | | Space |
| 33 | 041 | 21 | 00100001 | ! | ! | ! | Exclamation mark |
| 34 | 042 | 22 | 00100010 | " | " | " | Double quotes (or speech marks) |
| 35 | 043 | 23 | 00100011 | # | # | # | Number sign |
| 36 | 044 | 24 | 00100100 | \$ | $ | $ | Dollar |
| 37 | 045 | 25 | 00100101 | % | % | % | Per cent sign |
| 38 | 046 | 26 | 00100110 | & | & | & | Ampersand |
| 39 | 047 | 27 | 00100111 | ' | ' | ' | Single quote |
| 40 | 050 | 28 | 00101000 | (| (| &lparen; | Open parenthesis (or open bracket) |
| 41 | 051 | 29 | 00101001 |) |) | &rparen; | Close parenthesis (or close bracket) |
| 42 | 052 | 2A | 00101010 | * | * | * | Asterisk |
| 43 | 053 | 2B | 00101011 | + | + | + | Plus |
| 44 | 054 | 2C | 00101100 | , | , | , | Comma |
| 45 | 055 | 2D | 00101101 | - | - | | Hyphen-minus |
| 46 | 056 | 2E | 00101110 | . | . | . | Period, dot or full stop |
| 47 | 057 | 2F | 00101111 | / | / | / | Slash or divide |
| 48 | 060 | 30 | 00110000 | 0 | 0 | | Zero |
| 49 | 061 | 31 | 00110001 | 1 | 1 | | One |
| 50 | 062 | 32 | 00110010 | 2 | 2 | | Two |
| 51 | 063 | 33 | 00110011 | 3 | 3 | | Three |
| 52 | 064 | 34 | 00110100 | 4 | 4 | | Four |
| 53 | 065 | 35 | 00110101 | 5 | 5 | | Five |
| 54 | 066 | 36 | 00110110 | 6 | 6 | | Six |
| 55 | 067 | 37 | 00110111 | 7 | 7 | | Seven |
| 56 | 070 | 38 | 00111000 | 8 | 8 | | Eight |
| 57 | 071 | 39 | 00111001 | 9 | 9 | | Nine |
| 58 | 072 | 3A | 00111010 | : | : | : | Colon |
| 59 | 073 | 3B | 00111011 | ; | ; | ; | Semicolon |
| 60 | 074 | 3C | 00111100 | < | < | < | Less than (or open angled bracket) |
| 61 | 075 | 3D | 00111101 | = | = | = | Equals |
| 62 | 076 | 3E | 00111110 | > | > | > | Greater than (or close angled bracket) |
| 63 | 077 | 3F | 00111111 | ? | ? | ? | Question mark |
| 64 | 100 | 40 | 01000000 | @ | @ | @ | At sign |
| 65 | 101 | 41 | 01000001 | A | A | | Uppercase A |
| 66 | 102 | 42 | 01000010 | B | B | | Uppercase B |
| 67 | 103 | 43 | 01000011 | C | C | | Uppercase C |
| 68 | 104 | 44 | 01000100 | D | D | | Uppercase D |
| 69 | 105 | 45 | 01000101 | E | E | | Uppercase E |
| 70 | 106 | 46 | 01000110 | F | F | | Uppercase F |

| DEC | OCT | HEX | BIN | Symbol | HTML Number | HTML Name | Description |
|-----|-----|-----|----------|--------|-------------|-----------|--------------------|
| 71 | 107 | 47 | 01000111 | G | G | | Uppercase G |
| 72 | 110 | 48 | 01001000 | H | H | | Uppercase H |
| 73 | 111 | 49 | 01001001 | I | I | | Uppercase I |
| 74 | 112 | 4A | 01001010 | J | J | | Uppercase J |
| 75 | 113 | 4B | 01001011 | K | K | | Uppercase K |
| 76 | 114 | 4C | 01001100 | L | L | | Uppercase L |
| 77 | 115 | 4D | 01001101 | M | M | | Uppercase M |
| 78 | 116 | 4E | 01001110 | N | N | | Uppercase N |
| 79 | 117 | 4F | 01001111 | O | O | | Uppercase O |
| 80 | 120 | 50 | 01010000 | P | P | | Uppercase P |
| 81 | 121 | 51 | 01010001 | Q | Q | | Uppercase Q |
| 82 | 122 | 52 | 01010010 | R | R | | Uppercase R |
| 83 | 123 | 53 | 01010011 | S | S | | Uppercase S |
| 84 | 124 | 54 | 01010100 | T | T | | Uppercase T |
| 85 | 125 | 55 | 01010101 | U | U | | Uppercase U |
| 86 | 126 | 56 | 01010110 | V | V | | Uppercase V |
| 87 | 127 | 57 | 01010111 | W | W | | Uppercase W |
| 88 | 130 | 58 | 01011000 | X | X | | Uppercase X |
| 89 | 131 | 59 | 01011001 | Y | Y | | Uppercase Y |
| 90 | 132 | 5A | 01011010 | Z | Z | | Uppercase Z |
| 91 | 133 | 5B | 01011011 | [| [| [| Opening bracket |
| 92 | 134 | 5C | 01011100 | \ | \ | \ | Backslash |
| 93 | 135 | 5D | 01011101 |] |] |] | Closing bracket |
| 94 | 136 | 5E | 01011110 | ^ | ^ | ^ | Caret - circumflex |
| 95 | 137 | 5F | 01011111 | _ | _ | _ | Underscore |
| 96 | 140 | 60 | 01100000 | ` | ` | ` | Grave accent |
| 97 | 141 | 61 | 01100001 | a | a | | Lowercase a |
| 98 | 142 | 62 | 01100010 | b | b | | Lowercase b |
| 99 | 143 | 63 | 01100011 | c | c | | Lowercase c |
| 100 | 144 | 64 | 01100100 | d | d | | Lowercase d |
| 101 | 145 | 65 | 01100101 | e | e | | Lowercase e |
| 102 | 146 | 66 | 01100110 | f | f | | Lowercase f |
| 103 | 147 | 67 | 01100111 | g | g | | Lowercase g |
| 104 | 150 | 68 | 01101000 | h | h | | Lowercase h |
| 105 | 151 | 69 | 01101001 | i | i | | Lowercase i |
| 106 | 152 | 6A | 01101010 | j | j | | Lowercase j |
| 107 | 153 | 6B | 01101011 | k | k | | Lowercase k |
| 108 | 154 | 6C | 01101100 | l | l | | Lowercase l |
| 109 | 155 | 6D | 01101101 | m | m | | Lowercase m |
| 110 | 156 | 6E | 01101110 | n | n | | Lowercase n |
| 111 | 157 | 6F | 01101111 | o | o | | Lowercase o |
| 112 | 160 | 70 | 01110000 | p | p | | Lowercase p |
| 113 | 161 | 71 | 01110001 | q | q | | Lowercase q |

| DEC | OCT | HEX | BIN | Symbol | HTML Number | HTML Name | Description |
|-----|-----|-----|----------|--------|-------------|-----------|--------------------------|
| 114 | 162 | 72 | 01110010 | r | r | | Lowercase r |
| 115 | 163 | 73 | 01110011 | s | s | | Lowercase s |
| 116 | 164 | 74 | 01110100 | t | t | | Lowercase t |
| 117 | 165 | 75 | 01110101 | u | u | | Lowercase u |
| 118 | 166 | 76 | 01110110 | v | v | | Lowercase v |
| 119 | 167 | 77 | 01110111 | w | w | | Lowercase w |
| 120 | 170 | 78 | 01111000 | x | x | | Lowercase x |
| 121 | 171 | 79 | 01111001 | y | y | | Lowercase y |
| 122 | 172 | 7A | 01111010 | z | z | | Lowercase z |
| 123 | 173 | 7B | 01111011 | { | { | &lcb; | Opening brace |
| 124 | 174 | 7C | 01111100 | | | | | | Vertical bar |
| 125 | 175 | 7D | 01111101 | } | } | &rcb; | Closing brace |
| 126 | 176 | 7E | 01111110 | ~ | ~ | ˜ | Equivalency sign - tilde |
| 127 | 177 | 7F | 01111111 | DEL | | | Delete |