**7-bit Ascii table**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Binary** | **Dec** | **Ascii** | **Binary** | **Dec** | **Ascii** | **Binary** | **Dec** | **Ascii** | **Binary** | **Dec** | **Ascii** |
| 000 0000 | 0 | NUL | 010 0000 | 32 | space | 100 0000 | 64 | @ | 110 0000 | 96 | ` |
| 000 0001 | 1 | SOH | 010 0001 | 33 | ! | 100 0001 | 65 | A | 110 0001 | 97 | a |
| 000 0010 | 2 | STX | 010 0010 | 34 | " | 100 0010 | 66 | B | 110 0010 | 98 | b |
| 000 0011 | 3 | ETX | 010 0011 | 35 | # | 100 0011 | 67 | C | 110 0011 | 99 | c |
| 000 0100 | 4 | EOT | 010 0100 | 36 | $ | 100 0100 | 68 | D | 110 0100 | 100 | d |
| 000 0101 | 5 | ENQ | 010 0101 | 37 | % | 100 0101 | 69 | E | 110 0101 | 101 | e |
| 000 0110 | 6 | ACK | 010 0110 | 38 | & | 100 0110 | 70 | F | 110 0110 | 102 | f |
| 000 0111 | 7 | BEL | 010 0111 | 39 | ' | 100 0111 | 71 | G | 110 0111 | 103 | g |
| 000 1000 | 8 | BS | 010 1000 | 40 | ( | 100 1000 | 72 | H | 110 1000 | 104 | h |
| 000 1001 | 9 | HT | 010 1001 | 41 | ) | 100 1001 | 73 | I | 110 1001 | 105 | i |
| 000 1010 | 10 | LF | 010 1010 | 42 | \* | 100 1010 | 74 | J | 110 1010 | 106 | j |
| 000 1011 | 11 | VT | 010 1011 | 43 | + | 100 1011 | 75 | K | 110 1011 | 107 | k |
| 000 1100 | 12 | FF | 010 1100 | 44 | , | 100 1100 | 76 | L | 110 1100 | 108 | l |
| 000 1101 | 13 | CR | 010 1101 | 45 | - | 100 1101 | 77 | M | 110 1101 | 109 | m |
| 000 1110 | 14 | SO | 010 1110 | 46 | . | 100 1110 | 78 | N | 110 1110 | 110 | n |
| 000 1111 | 15 | SI | 010 1111 | 47 | / | 100 1111 | 79 | O | 110 1111 | 111 | o |
| 001 0000 | 16 | DLE | 011 0000 | 48 | 0 | 101 0000 | 80 | P | 111 0000 | 112 | p |
| 001 0001 | 17 | DC1 | 011 0001 | 49 | 1 | 101 0001 | 81 | Q | 111 0001 | 113 | q |
| 001 0010 | 18 | DC2 | 011 0010 | 50 | 2 | 101 0010 | 82 | R | 111 0010 | 114 | r |
| 001 0011 | 19 | DC3 | 011 0011 | 51 | 3 | 101 0011 | 83 | S | 111 0011 | 115 | s |
| 001 0100 | 20 | DC4 | 011 0100 | 52 | 4 | 101 0100 | 84 | T | 111 0100 | 116 | t |
| 001 0101 | 21 | NAK | 011 0101 | 53 | 5 | 101 0101 | 85 | U | 111 0101 | 117 | u |
| 001 0110 | 22 | SYN | 011 0110 | 54 | 6 | 101 0110 | 86 | V | 111 0110 | 118 | v |
| 001 0111 | 23 | ETB | 011 0111 | 55 | 7 | 101 0111 | 87 | W | 111 0111 | 119 | w |
| 001 1000 | 24 | CAN | 011 1000 | 56 | 8 | 101 1000 | 88 | X | 111 1000 | 120 | x |
| 001 1001 | 25 | EM | 011 1001 | 57 | 9 | 101 1001 | 89 | Y | 111 1001 | 121 | y |
| 001 1010 | 26 | SUB | 011 1010 | 58 | : | 101 1010 | 90 | Z | 111 1010 | 122 | z |
| 001 1011 | 27 | ESC | 011 1011 | 59 | ; | 101 1011 | 91 | [ | 111 1011 | 123 | { |
| 001 1100 | 28 | FS | 011 1100 | 60 | < | 101 1100 | 92 | \ | 111 1100 | 124 | | |
| 001 1101 | 29 | GS | 011 1101 | 61 | = | 101 1101 | 93 | ] | 111 1101 | 125 | } |
| 001 1110 | 30 | RS | 011 1110 | 62 | > | 101 1110 | 94 | ^ | 111 1110 | 126 | ~ |
| 001 1111 | 31 | US | 011 1111 | 63 | ? | 101 1111 | 95 | \_ | 110 0000 | 127 | DEL |