ASCII - 1

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10진수 | 16진수 | ASCII | 10진수 | 16진수 | ASCII | 10진수 | 16진수 | ASCII | 10진수 | 16진수 | ASCII |
| 0 | 0x00 | NULL | 32 | 0x20 | SP | 64 | 0x40 | @ | 96 | 0x60 | . |
| 1 | 0x01 | SOH | 33 | 0x21 | ! | 65 | 0x41 | A | 97 | 0x61 | a |
| 2 | 0x02 | STX | 34 | 0x22 | " | 66 | 0x42 | B | 98 | 0x62 | b |
| 3 | 0x03 | ETX | 35 | 0x23 | # | 67 | 0x43 | C | 99 | 0x63 | c |
| 4 | 0x04 | EOT | 36 | 0x24 | $ | 68 | 0x44 | D | 100 | 0x64 | d |
| 5 | 0x05 | ENQ | 37 | 0x25 | % | 69 | 0x45 | E | 101 | 0x65 | e |
| 6 | 0x06 | ACK | 38 | 0x26 | & | 70 | 0x46 | F | 102 | 0x66 | f |
| 7 | 0x07 | BEL | 39 | 0x27 | ' | 71 | 0x47 | G | 103 | 0x67 | g |
| 8 | 0x08 | BS | 40 | 0x28 | ( | 72 | 0x48 | H | 104 | 0x68 | h |
| 9 | 0x09 | HT | 41 | 0x29 | ) | 73 | 0x49 | I | 105 | 0x69 | i |
| 10 | 0x0A | LF | 42 | 0x2A | \* | 74 | 0x4A | J | 106 | 0x6A | j |
| 11 | 0x0B | VT | 43 | 0x2B | + | 75 | 0x4B | K | 107 | 0x6B | k |
| 12 | 0x0C | FF | 44 | 0x2C | ' | 76 | 0x4C | L | 108 | 0x6C | l |
| 13 | 0x0D | CR | 45 | 0x2D | - | 77 | 0x4D | M | 109 | 0x6D | m |
| 14 | 0x0E | SO | 46 | 0x2E | . | 78 | 0x4E | N | 110 | 0x6E | n |
| 15 | 0x0F | SI | 47 | 0x2F | / | 79 | 0x4F | O | 111 | 0x6F | o |
| 16 | 0x10 | DLE | 48 | 0x30 | 0 | 80 | 0x50 | P | 112 | 0x70 | p |
| 17 | 0x11 | DC1 | 49 | 0x31 | 1 | 81 | 0x51 | Q | 113 | 0x71 | q |
| 18 | 0x12 | SC2 | 50 | 0x32 | 2 | 82 | 0x52 | R | 114 | 0x72 | r |
| 19 | 0x13 | SC3 | 51 | 0x33 | 3 | 83 | 0x53 | S | 115 | 0x73 | s |
| 20 | 0x14 | SC4 | 52 | 0x34 | 4 | 84 | 0x54 | T | 116 | 0x74 | t |
| 21 | 0x15 | NAK | 53 | 0x35 | 5 | 85 | 0x55 | U | 117 | 0x75 | u |
| 22 | 0x16 | SYN | 54 | 0x36 | 6 | 86 | 0x56 | V | 118 | 0x76 | v |
| 23 | 0x17 | ETB | 55 | 0x37 | 7 | 87 | 0x57 | W | 119 | 0x77 | w |
| 24 | 0x18 | CAN | 56 | 0x38 | 8 | 88 | 0x58 | X | 120 | 0x78 | x |
| 25 | 0x19 | EM | 57 | 0x39 | 9 | 89 | 0x59 | Y | 121 | 0x79 | y |
| 26 | 0x1A | SUB | 58 | 0x3A | : | 90 | 0x5A | Z | 122 | 0x7A | z |
| 27 | 0x1B | ESC | 59 | 0x3B | ; | 91 | 0x5B | [ | 123 | 0x7B | { |
| 28 | 0x1C | FS | 60 | 0x3C | < | 92 | 0x5C | \ | 124 | 0x7C | | |
| 29 | 0x1D | GS | 61 | 0x3D | = | 93 | 0x5D | ] | 125 | 0x7D | } |
| 30 | 0x1E | RS | 62 | 0x3E | > | 94 | 0x5E | ^ | 126 | 0x7E | ~ |
| 31 | 0x1F | US | 63 | 0x3F | ? | 95 | 0x5F | \_ | 127 | 0x7F | DEL |

ASCII - 2

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  10진수 | 16진수 | ASCII | 10진수 | 16진수 | ASCII |  10진수 | 16진수 | ASCII | 10진수 | 16진수 | ASCII |
| 128  | 0x80 | ?  | 160  | 0xA0 |  | 192  | 0xC0 | À  | 224  | 0xE0 | à  |
| 129  | 0x81 | ?  | 161  | 0xA1 | ¡  | 193  | 0xC1 | Á  | 225  | 0xE1 | á  |
| 130  | 0x82 | ?  | 162  | 0xA2 | ￠ | 194  | 0xC2 | Â  | 226 | 0xE2 | â  |
| 131  | 0x83 | ?  | 163  | 0xA3 | ￡ | 195  | 0xC3 | Ã  | 227  | 0xE3 | ã  |
| 132  | 0x84 | ?  | 164  | 0xA4 | ¤ | 196 | 0xC4 | Ä  | 228  | 0xE4 | ä  |
| 133  | 0x85 | …  | 165  | 0xA5 | ￥ | 197  | 0xC5 | Å  | 229  | 0xE5 | å  |
| 134  | 0x86 | †  | 166  | 0xA6 | ¦ | 198  | 0xC6 | Æ  | 230  | 0xE6 | æ  |
| 135  | 0x87 | ‡  | 167  | 0xA7 | § | 199  | 0xC7 | Ç  | 231  | 0xE7 | ç  |
| 136  | 0x88 | ?  | 168  | 0xA8 | ¨ | 200  | 0xC8 | È  | 232  | 0xE8 | è  |
| 137  | 0x89 | ‰  | 169  | 0xA9 | ⓒ | 201  | 0xC9 | É  | 233  | 0xE9 | é  |
| 138  | 0x8A | ?  | 170  | 0xAA | ª  | 202  | 0xCA | Ê  | 234  | 0xEA | ê  |
| 139  | 0x8B | ?  | 171  | 0xAB | ≪  | 203  | 0xCB | Ë  | 235  | 0xEB | ë  |
| 140  | 0x8C | Œ  | 172  | 0xAC | ￢  | 204  | 0xCC | Ì  | 236  | 0xEC | ì  |
| 141  | 0x8D | ?  | 173  | 0xAD | ­  | 205  | 0xCD | Í  | 237  | 0xED | í  |
| 142  | 0x8E | ?  | 174  | 0xAE | ®  | 206  | 0xCE | Î  | 238  | 0xEE | î  |
| 143  | 0x8F | ?  | 175  | 0xAF | ¯  | 207  | 0xCF | Ï  | 239  | 0xEF | ï  |
| 144  | 0x90 | ?  | 176  | 0xB0 | °  | 208  | 0xD0 | Ð  | 240  | 0xF0 | ð  |
| 145  | 0x91 | ‘  | 177  | 0xB1 | ±  | 209  | 0xD1 | Ñ  | 241  | 0xF1 | ñ  |
| 146  | 0x92 | ’  | 178  | 0xB2 | ²  | 210  | 0xD2 | Ò  | 242  | 0xF2 | ò  |
| 147  | 0x93 | “  | 179  | 0xB3 | ³  | 211  | 0xD3 | Ó  | 243  | 0xF3 | ó  |
| 148  | 0x94 | ”  | 180  | 0xB4 | ´  | 212  | 0xD4 | Ô  | 244  | 0xF4 | ô  |
| 149  | 0x95 | ?  | 181  | 0xB5 | μ  | 213  | 0xD5 | Õ  | 245  | 0xF5 | õ  |
| 150  | 0x96 | ?  | 182  | 0xB6 | ¶  | 214  | 0xD6 | Ö  | 246  | 0xF6 | ö  |
| 151  | 0x97 | ?  | 183  | 0xB7 | ·  | 215  | 0xD7 | ×  | 247  | 0xF7 | ÷  |
| 152  | 0x98 | ?  | 184  | 0xB8 | ¸  | 216  | 0xD8 | Ø  | 248  | 0xF8 | ø  |
| 153  | 0x99 | ™  | 185  | 0xB9 | ¹  | 217  | 0xD9 | Ù  | 249  | 0xF9 | ù  |
| 154  | 0x9A | ?  | 186  | 0xBA | º  | 218  | 0xDA | Ú  | 250  | 0xFA | ú  |
| 155  | 0x9B | ?  | 187  | 0xBB | ≫  | 219  | 0xDB | Û  | 251  | 0xFB | û  |
| 156  | 0x9C | œ  | 188 | 0xBC | ¼ | 220  | 0xDC | Ü  | 252  | 0xFC | ü  |
| 157  | 0x9D | ?  | 189  | 0xBD | ½ | 221  | 0xDD | Ý  | 253  | 0xFD | ý  |
| 158  | 0x9E | ?  | 190  | 0xBE | ¾ | 222  | 0xDE | Þ  | 254  | 0xFE | þ  |
| 159  | 0x9F | ?  | 191  | 0xBF | ¿ | 223  | 0xDF | ß  | 255  | 0xFF | ÿ  |

|  |  |  |
| --- | --- | --- |
| SOH - start of heading STX - start of text ETX - end of text EOT - end of transmission ENQ - enquiry ACK - acknowledge BEL - bell BS - backspac | HT - horizontal tab LF - NL line feed, new line VT - vertical tabFF - NP form feed, new page CR - carriage return SO - shift out SI - shift in DLE - data link escape DC1 - device control 1 DC2 - device control 2 DC3 - device control 3 DC4 - device control 4 | NAK - negative acknowledge SYN - synchronous idle ETB - end of trans. block CAN - cancel EM - end of medium SUB - substitute ESC - escape FS - file separator GS - group separator RS - record separator US - unit separator |