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 tab  FF - 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 |