

EBCDIC Collating Sequence

Training on mainframe programming languages and systems software is provided in the following areas:

- **Programming Skills**
- **Programming Languages**
- **PC Emulation of Mainframe Software**
- **Utilities & Development Tools**
- **Telecommunications**
- **VSAM**
- **IMS**
- **CICS**
- **DB2 UDB**
- **WebSphere MQ**

To review mainframe programming languages, visit www.programmingbysysed.us.

To review SYS-ED's 1000+ course offerings, visit www.sysed.com.



TM

| Ordinal | Symbol | Description | Decimal | Hex |
|---------|--------|--------------------------|---------|-----|
| 65 | ? | Space | 64 | 40 |
| 75 | ¢ | Cent sign | 74 | 4A |
| 76 | . | Period, decimal point | 75 | 4B |
| 77 | < | Less than sign | 76 | 4C |
| 78 | (| Left parenthesis | 77 | 4D |
| 79 | + | Plus sign | 78 | 4E |
| 80 | | Vertical bar, Logical OR | 79 | 4F |
| 81 | & | Ampersand | 80 | 50 |
| 91 | ! | Exclamation point | 90 | 5A |
| 92 | \$ | Dollar sign | 91 | 5B |
| 93 | * | Asterisk | 92 | 5C |
| 94 |) | Right parenthesis | 93 | 5D |
| 95 | ; | Semicolon | 94 | 5E |
| 96 | ¬ | Logical NOT | 95 | 5F |
| 97 | - | Minus, hyphen | 96 | 60 |
| 98 | / | Slash | 97 | 61 |
| 108 | , | Comma | 107 | 6B |
| 109 | % | Percent sign | 108 | 6C |
| 110 | _ | Underscore | 109 | 6D |
| 111 | > | Greater than sign | 110 | 6E |
| 112 | ? | Question mark | 111 | 6F |
| 123 | : | Colon | 122 | 7A |
| 124 | # | Number sign, pound sign | 123 | 7B |
| 125 | @ | At sign | 124 | 7C |
| 126 | ' | Apostrophe, prime sign | 125 | 7D |
| 127 | = | Equal sign | 126 | 7E |
| 128 | " | Quotation marks | 127 | 7F |
| 130 | a | | 129 | 81 |
| 131 | b | | 130 | 82 |
| 132 | c | | 131 | 83 |
| 133 | d | | 132 | 84 |
| 134 | e | | 133 | 85 |
| 135 | f | | 134 | 86 |
| 136 | g | | 135 | 87 |
| 137 | h | | 136 | 88 |
| 138 | i | | 137 | 89 |
| 146 | j | | 145 | 91 |
| 147 | k | | 146 | 92 |
| 148 | l | | 147 | 93 |
| 149 | m | | 148 | 94 |
| 150 | n | | 149 | 95 |
| 151 | o | | 150 | 96 |
| 152 | p | | 151 | 97 |
| 153 | q | | 152 | 98 |
| 154 | r | | 153 | 99 |
| 163 | s | | 162 | A2 |
| 164 | t | | 163 | A3 |
| 165 | u | | 164 | A4 |
| 166 | v | | 165 | A5 |
| 167 | w | | 166 | A6 |
| 168 | x | | 167 | A7 |
| 169 | y | | 168 | A8 |
| 170 | z | | 169 | A9 |
| 194 | A | | 193 | C1 |
| 195 | B | | 194 | C2 |

| Ordinal | Symbol | Description | Decimal | Hex |
|---------|--------|-------------|---------|-----|
| 196 | C | | 195 | C3 |
| 197 | D | | 196 | C4 |
| 198 | E | | 197 | C5 |
| 199 | F | | 198 | C6 |
| 200 | G | | 199 | C7 |
| 201 | H | | 200 | C8 |
| 202 | I | | 201 | C9 |
| 210 | J | | 209 | D1 |
| 211 | K | | 210 | D2 |
| 212 | L | | 211 | D3 |
| 213 | M | | 212 | D4 |
| 214 | N | | 213 | D5 |
| 215 | O | | 214 | D6 |
| 216 | P | | 215 | D7 |
| 217 | Q | | 216 | D8 |
| 218 | R | | 217 | D9 |
| 227 | S | | 226 | E2 |
| 228 | T | | 227 | E3 |
| 229 | U | | 228 | E4 |
| 230 | V | | 229 | E5 |
| 231 | W | | 230 | E6 |
| 232 | X | | 231 | E7 |
| 233 | Y | | 232 | E8 |
| 234 | Z | | 233 | E9 |
| 241 | 0 | | 240 | F0 |
| 242 | 1 | | 241 | F1 |
| 243 | 2 | | 242 | F2 |
| 244 | 3 | | 243 | F3 |
| 245 | 4 | | 244 | F4 |
| 246 | 5 | | 245 | F5 |
| 247 | 6 | | 246 | F6 |
| 248 | 7 | | 247 | F7 |
| 249 | 8 | | 248 | F8 |
| 250 | 9 | | 249 | F9 |

