Hebrew Character Table

* Used the following Python code to get the byte encoding of the Hebrew character set:

import codecs

word = input ('Input Hebrew letter to encode: ',)

print (word)

word = word.encode()

print (word)

* Used a Hebrew Virtual Keyboard with QWERTY styled character set to input the letters: <http://gate2home.com/Hebrew-Keyboard>
* Compared UTF-8 ISO-8859-8 (Hebrew) 8-bit single byte coded character set to the default Python encode: <http://gate2home.com/Hebrew-Keyboard>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Hebrew Letters | | Key-stroke | Gematria  Value | UTF-8 | Default  Encode |
| 1 | **Aleph** | א | T | **1** | 05D0 | b'\xd7\x90' |
| 2 | **Beth** | ב | C | **2** | 05D1 | b'\xd7\x91' |
| 3 | **Gimel** | ג | D | **3** | 05D2 | b'\xd7\x92' |
| 4 | **Dalet** | ד | S | **4** | 05D3 | b'\xd7\x93' |
| 5 | **Heh** | ה | V | **5** | 05D4 | b'\xd7\x94' |
| 6 | **Vav** | ו | U | **6** | 05D5 | b'\xd7\x95' |
| 7 | **Zayin** | ז | Z | **7** | 05D6 | b'\xd7\x96' |
| 8 | **Cheth** | ח | J | **8** | 05D7 | b'\xd7\x97' |
| 9 | **Teth** | ט | Y | **9** | 05D8 | b'\xd7\x98' |
| 10 | **Yod** | י | H | **10** | 05D9 | b'\xd7\x99' |
| 23 | **Khaf-Final** | ך | L | **500** | 05DA | b'\xd7\x9a' |
| 11 | **Khaf** | כ | F | **20** | 05DB | b'\xd7\x9b' |
| 12 | **Lamed** | ל | K | **30** | 05DC | b'\xd7\x9c' |
| 24 | **Mem-Final** | ם | O | **600** | 05DD | b'\xd7\x9d' |
| 13 | **Mem** | מ | N | **40** | 05DE | b'\xd7\x9e' |
| 25 | **Nun-Final** | ן | I | **700** | 05DF | b'\xd7\x9f' |
| 14 | **Nun** | נ | B | **50** | 05E0 | b'\xd7\xa0' |
| 15 | **Samekh** | ס | X | **60** | 05E1 | b'\xd7\xa1' |
| 16 | **Ayin** | ע | G | **70** | 05E2 | b'\xd7\xa2' |
| 26 | **Peh-Final** | ף | ; | **800** | 05E3 | b'\xd7\xa3' |
| 17 | **Peh** | פ | P | **80** | 05E4 | b'\xd7\xa4' |
| 27 | **Tzaddi-Final** | ץ | > | **900** | 05E5 | b'\xd7\xa5' |
| 18 | **Tzaddi** | צ | M | **90** | 05E6 | b'\xd7\xa6' |
| 19 | **Qoph** | ק | E | **100** | 05E7 | b'\xd7\xa7' |
| 20 | **Resh** | ר | R | **200** | 05E8 | b'\xd7\xa8' |
| 21 | **Shin** | ש | A | **300** | 05E9 | b'\xd7\xa9' |
| 22 | **Tau** | ת | < | **400** | 05EA | b'\xd7\xaa' |