# Typing Musnad

The Musnad keyboard (𐩣) is designed for tye typing of the Musnad script (also referred to by the languages that used it such as Sabaean and Minaean) and supports only the letters defined in the Unicode standard for Old South Arabain.  Accordingly it requires a compliant font. The keyboard itself does not address the boustrophedon style of writing because writing direction is controlled by the editor application (e.g. a word processor).  The *right-to-left* direction is the assumed default writing direction and any many applications such as Microsoft Word.

**Input Table**

| Name | Musnad | Key(s) |
|---|---|---|
| He | 𐩠 | h |
| Lamedh | 𐩡 | l |
| Heth | 𐩢 | H |
| Mem | 𐩣 | m |
| Qoph | 𐩤 | q |
| Waw | 𐩥 | w |
| Shin | 𐩦 | ss |
| Resh | 𐩧 | r |
| Beth | 𐩨 | b |
| Taw | 𐩩 | t |
| Sat | 𐩪 | s |
| Kaph | 𐩫 | k |
| Nun | 𐩬 | n |
| Kheth | 𐩭 | X (also hh) |
| Sadhe | 𐩮 | S |
| Samekh | 𐩯 | SS |
| Fe | 𐩰 | f |
| Alef | 𐩱 | a |
| Ayn | 𐩲 | A |
| Dhadhe | 𐩳 | D |
| Gimel | 𐩴 | g |
| Daleth | 𐩵 | d |
| Ghayn | 𐩶 | G |
| Teth | 𐩷 | T |
| Zayn | 𐩸 | z |
| Dhaleth | 𐩹 | dd |
| Yodh | 𐩺 | y |
| Thaw | 𐩻 | T |
| Theth | 𐩼 | Z |

# Typing Numbers

## Musnad Numerals

| I | II | III | IIII | 𐩽 | I𐩽 | II𐩽 | III𐩽 | IIII𐩽 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | |
| ○ | ○○ | ○○○ | ○○○○ | 𐩿 | ○𐩿 | ○○𐩿 | ○○○𐩿 | ○○○○𐩿 | 𐩾 | 𐩵 | 𐩭 |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 1000 | # |

## Notes from Wikipedia

*Reference:* [https://en.wikipedia.org/wiki/Ancient_South_Arabian_script](https://en.wikipedia.org/wiki/Ancient_South_Arabian_script)

An additional sign (𐩭) is used to bracket numbers, setting them apart from surrounding text. For example, 𐩭III𐩽𐩭

These signs are used in an additive system similar to Roman numerals to represent any number (excluding zero). Two examples:

- 17 is written as 1 + 1 + 5 + 10: II𐩽○
- 99 is written as 1 + 1 + 1 + 1 + 5 + 10 + 10 + 10 + 10 + 50: 𐩭IIII𐩽○○○○𐩿


Thousands are written two different ways:

- Smaller values are written using just the 1000 sign. For example, 8,000 is written as 1000 × 8: 𐩵𐩵𐩵𐩵𐩵𐩵𐩵𐩵
- Larger values are written by promoting the signs for 10, 50, and 100 to 10,000, 50,000, and 100,000 respectively:
  - 31,000 is written as 1000 + 10,000 × 3: 𐩵○○○ (easily confused with 1,030)
  - 40,000 is written as 10,000 × 4: ○○○○ (easily confused with 40)
  - 253,000 is written as 2 × 100.000 + 50.000 + 3 × 1000: 𐩵𐩵𐩵𐩿𐩾𐩾 (easily confused with 3,250)

# Musnad Keyboard Layout

| ` | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | - | = | Backspace |

| Tab | q | w | e | r | t | y | u | i | o | p | [ | ] | \ |

| Caps | a | s | d | f | g | h | j | k | l | ; | ' | Enter |

| Shift | z | x | c | v | b | n | m | , | . | / | Shift |

| Ctrl | Alt | Space | Alt | Ctrl |