

Comparing strings

“Does it matter if they’re capitals or not?”

In Python:

`“a” == “A”` evaluates to False

Does your understanding of ASCII codes explain why?

Comparing strings

`"a" = ASCII 097`

`"A" = ASCII 065`

The evaluation is done via ASCII codes, so

`097 != 065`

Comparing strings

How does `aChar.upper()` work?

If `aChar` is a lower case letter (i.e. has an ASCII code ≥ 97 and ≤ 122) then the ASCII code representing `aChar` is changed - specifically by -32 (so 97 converts to 65).

`.lower()` would work by adding 32 to the ASCII code (assuming $65 \leq \text{code} \leq 90$).

Comparing strings

It's all done by numbers...