













inStr = input("Enter celsius temperature: ")

- $\hfill\square$ This is an assignment statement.
- inStr is a variable.
- input is a function
- $\hfill\square$ The value of the expression:

input("Enter celsius temperature: ")

....will be whatever string the user types as input.



The empty string

- Characters are letters, numbers, punctuation...what you get when you hit a keyboard key.
- When the user just types the Enter key, input() produces a string, but it is a string containing no characters.
- $\hfill\square$ It is called the empty string.
- $\hfill\square$ The length of string "Daniel" is 6
- $\hfill\square$ The length of the empty string "" is 0

The == operator

- The condition (for example, name == "") is testing for equal values.
- □ It is not an assignment statement!
- □ It uses the operator ==, which is different from the = in an assignment statement.





Block

The indented statements under the if form a block.
 A block is always done together, or skipped together.

if name == "":

print("No name received.")
print("We will not proceed.")



Malformed if statements	
□ if name = "": print ("Welcome!")	Uses = instead of ==
□ if name == "" print("Welcome!") □ if name == "".	Missing :
print ("Welcome!")	No indentation
	No indentation







if...elif...else

□ Only **one** of the blocks gets executed.

- □ Trys first condition; if that works, execute that block.
- □ If not, try second condition.
- $\hfill\square$ If that fails too, the else gets executed.
- Can have as many elif's as you want.