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Section: CS3C

Conditional statements

● if Statements

* It is used to execute a block of code only if a specific condition is true. Example is:

x = 20

if x > 10

print(“x is greater than 10”)

* In this example if the condition is x > 10 then the print will be x is greater than 10 because of the variable of x = 20.

● if…else Statements

* It allows you to execute one block of code if the condition is true and another block if the condition is false.

x = 20

if x > 10

print("x is greater than 10")

else:

print("x is not greater than 10")

* In this condition it will output the “x is greater than 10” because the condition is true.

● Python if elif else Statement

* It allows you to check multiple conditions and execute different blocks of code based on which condition is true.

x = 20

if x > 10:

print("x is greater than 10")

elif x == 5:

print("x is equal to 10")

else:

print("x is less than 10")

* Since the condition is x > 10 then the output is “x is greater than 10”