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CS114 Wk3 homework

Instructor: Justin

Ch. 2 Problem set #'s 1, 2, 4, 5, 6, 10, 11

1. **What are the two values of the Boolean data type? How do you write them?**

Answer: The Two Data Types of Booleans are True and False and instead of using “ “ you use camel case of capital T and capital F

1. **What are the three Boolean operators?**

Answer: (and , or , not) are used to compare Boolean values i.e. statements

**4. What do the following expressions evaluate to?**

(5 > 4) and (3 == 5) False

not (5 > 4) False

(5 > 4) or (3 == 5) False

not ((5 > 4) or (3 == 5)) False

(True and True) and (True == False) False

(not False) or (not True) True

**5. What are the six comparison operators?**

Answer: Operators and Meanings

== Equal to

!= Not equal to

< Less than

< Greater than

<= Less than or equal to

>= Greater than or equal to

**6. What is the difference between the equal to operator and the assignment operator?**

Answer: I see the == operation saying that one thing is equal to another whereas assigning something to ‘name = 1’ for instance is replacing the meaning of an object.

**10. What can you press if your program is stuck in an infinite loop?**

Answer: you can push Cmd-C or Cmd-D on your keyboard

**11. What is the difference between break and continue?**

Answer: break lets you run a loop once and continue lets you keep looping the program until you need it to stop