Computer Science Quiz:

if and else

1) Which statement will check if a is less than b?

A) if a < b

B) if (a < b):

C) if a <= b:

D) if a > b

2) Which statement will check if a is equal to b?

A) if a == b:

B) if a = b

C) if a === b

D) if a same as b:

3) Which statement will check if a is less than or equal to b?

A) if a >= b:

B) if a <== b:

C) if a < b or == b:

D) if a <= b:

4) Which statement will check if a is less than b and less than c?

A) if a < b and < c:

B) if a < b and c:

C) if a < b & c:

D) if a < b and a < c:

5) Which variable name is best for the range of an electric car?

A) electric\_how\_far\_car\_can\_travel\_good

B) car\_range

C) CarRange

D) go\_far

6) Explaining why is more important than explaining what. Which comment best explains why this line of code exists? Assume all answers are true.

jump\_height = 2 \* jump\_height

A) #Double the jump\_height

B) #Player gained a jump powerup

C) #Jump

D) #Make jump\_height bigger

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) What does this code print?

x = 7

y = 81

print(x+3)

y = x+7

print(y)

8) What does this code print?

x = 7

y = 81

x = x+3

y = x+7

print(x)

print(y)

9) What does this code print?

cars = 12

bikes = 2

busses = 1

if cars > bikes and cars > busses:

print('traffic')

else:

print('clear roads')

10) Identify the error in the following code.

preference = int(input("Marvel or DC?"))

if preference == "Marvel":

print("Hulk smash!")

elif preference == "DC":

print("I'm Batman!")

else:

print("Never heard of it.")

A) Missing :

B) Expected input is string not integer

C) Elif needs parentheses

D) Use single equals sign

11) The following code ALWAYS prints gloomy. What’s wrong with it?

sky = "sunny"

if sky=="cloudy" or "overcast":

print("gloomy")

else:

print("happy")

A) the code needs a single equals sign

B) the code is missing a quotation mark

C) should have used sky=="cloudy" or sky=="overcast"

D) should have used and instead of or