Computer Science Quiz:

if, elif, else, and more: Part 3.

1) Suppose a variable named temperature has already been created and given a numeric value. Write code that prints "hot" if temperature is greater than 85 and prints "cold" if temperature is less than 65.

2) What does this code print?

a = 14

if a/7 == 2:

print("A")

a = a + 2

if a > 5:

print("B")

a = a + 5

elif a > 10:

print("C")

a = a + 6

else:

print("D")

a = a + 3

if a < 700:

print("E")

a = a + 4

else:

print("F")

print(a)

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3) How many possible different things can this program print if we run it over and over?

response = input("What month is your Bday?")

if response=="January":

print("Capricorn?")

elif response=="March":

print("Pisces?")

4) How many possible different things can this program print if we run it over and over?

response = int(input("What month is your Bday?"))

if response < 2:

print("Capricorn?")

if response < 4:

print("Pisces?")

else:

print("I am not very good at this.")

5) The percent sign % is called modulus and gives the remainder after division.

5 divided by 2 is 2 with 1 left over.

5%2 == 1

7 divided by 4 is 1 with 3 left over.

7%4 == 3

5A) What does 3%2 equal?

5B) What does 8%3 equal?

6) What's the mistake in this code?

x=101

if x < 100:

print("percent")

else:

pint("too high")

A) missing parend )

B) missing colon :

C) misspelling

D) indentation

7) Frank wrote this code. It works and uses 3 variables, x y z, but he didn't need all these variables. How few variables could he have used to write the same program?

x = int(input("What's your fav num?"))

y = x+1

print("My fav num is "+str(y))

z = int(input("What's your 2nd fav num?"))

print(str(z)+" is a bad number.")

8) What does this code print?

x = 2

a = 1

x = x\*x - a + x/a

print(str(x))

9) Yes or no. After these two lines of code run, is there any way to figure out what the user typed in to input?

x = int(input("number?"))

x = 4