Computer Science Quiz:

While Loops: Part 1.

1) For loops are for...

A) repeating a specific number of times

B) returning a value

C) advancing an index

D) defining a specific action

2) While loops are for...

A)repeating who knows how many times

B) choosing between actions

C) combining strings together

D) combining data and actions

3) Translate this while loop into a for loop.

x = 7

while x<12:

print(x)

x = x+1

4) Translate this for loop into a while loop.

for i in range(8):

print(i)

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

5) True or False: Program A and program B do the exact same thing.

PROGRAM A:

text = input('green or red?')

if text=='green':

print('spicy')

PROGRAM B:

text = input('green or red?')

while text=='green':

print('spicy')

text = ''

6) True or False: This while loop repeats forever.

x = 100

while x > 0:

if x > 2:

x = x/2

else:

x = x+1

7) How many times will this while loop repeat?

response = input("open or close?")

while response != "closed":

print("Close it later")

response = input("open or close?")

A) either zero or infinity

B) impossible to determine

C) zero

D) at least once

8) Fill in the blank to create a program that asks the user their name then repeatedly checks to confirm the spelling until the program gets it right.

name =input("name?")

response =input("Is "+name+" correct?")

while response \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:

name =input("name?")

response =input("Is "+name+

" correct?")

print("Pleased to meet you, "+name)

9) Fill in the blank to create a program that asks the user for a number then doubles and prints the number until the user says stop.

number = input("number?")

x = "yes"

while x != "stop":

number = number\*2

print(number)

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