SPRINT 2

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#Out-Smart the Computer Quiz

#Try to beat the computer in these challenging,but yet refreshing brain teasers.

#W3schools, Think Python book, Course Website.

print("Hello there", "how are you?", sep="---")

x="Welcome to the Out"

y=" Smart the Computer Quiz"

x+=y

print(x)

#The shortcut operator += adds and combines the two strings together

answer=input("To begin, please enter your name:")

answer=input("Please verify if you are ready to begin (yes/no):")

a="Good"+" Luck"

print(a)

#The + operator combines string1 and string2 into one

if answer.lower()=="yes":

answer=input("Question 1: What is 2+2?")

if answer.lower()=="4":

print("Correct")

print("Alright,that was a little too easy")

else:

print("Incorrect")

#The + operator adds the two numbers.

answer=input("Question 2: What is 10-5?")

if answer.lower()=='5':

print("Correct")

print("Wow")

print("You are really good at this")

else:

print("Incorrect")

#The - operator subtracts the two numbers.

answer=input("Question 3: What is 8\*6/8\*\*1")

if answer.lower()=="6":

print("Correct")

print("You are really starting to make me mad")

print("I'm sure I can get you with this one")

print("This ones gotta work")

else:

print("Incorrect")

#The \* operator multiplies the numbers.

#The / operator divides the numbers.

#The \*\* operator raises the left variable to the power of the right.

answer=input("Question 4: What is 20%3//5")

if answer.lower()=="0":

print("Correct")

print("You have to be cheating at this rate")

print("Yeah, yeah... that's it, your cheating")

print("Well anyways this one will be tough, you wont get this one right")

print("I'm sure of it")

else:

print("Incorrect")

#The % operator acts as the modulus operator.

#The // operator turns the solution into a whole number.

answer=input("Question 5: What is 3\*\*3+9/8\*3")

if answer.lower()=="30.375":

print("Correct")

print("Oh uh... I mean incorrect")

print("Alright fine, you got me")

print("That was correct. You're pretty good at this.")

else:

print("Incorrect")

print("Lets see how you do on the second part of this program")

print("Now loading phase two of the quiz")

i="Loading "\*5

print(i)

#The \* operator prints and repeats the string for as many times as the integer

print("Complete")

print("Welcome to phase two",end='')

print(" of the quiz")

#The end= argument continues the string to the next line for the output

Y="It is important for the user to know what's right and what's wrong"

print(Y)

a="""That is why you will be given questions, and it's your job to

determine whether they are true or false"""

print(a)

answer=input("Please verify if you are ready to begin (yes/no):")

for z in "Good Luck":

print(z)

#The for loop turns the selected value into a sequence

print("Before you begin, here are a few examples")

print("x = 12")

print("x>6 or x<14")

x=12

print(x>6 or x<14)

#The or bool operator determines whether the equation is true

print("x=7")

print("x==4\*3")

x=7

print(not(x==4\*3))

#The not bool operator determines whether the equation is true

print("You will now answer a couple of questions by yourself")

answer=input("Do you understand?(yes/no):")

if answer.lower()=="yes":

print("Glad you understand, it's as easy as counting to 5")

else:

print("""What do you mean you do not understand? If I can count to 5,

you should be able to understand my question""")

for d in range(1,6):

print(d)

#The in and range iterative presents the integers between 1-6

print("""Now it's time to try some out for yourself. Please verify

the problem below""")

#Triple quotation marks allows the user to write on multiple lines

print("15+7!=23")

answer=input("true or false")

#The != operator determines whether the integer not equal to

if answer.lower()=="true":

print("Correct, lets see how you do on the next one")

else:

print("Incorrect, it seems like you need more practice")

print("Now that you understand the concept, let's test your knowledge out")

print("3\*\*3>=16")

#The >= operator determine whether the integer is greater than or equal to

answer=input("true or false")

if answer.lower()=="true":

print("Correct, you seem to know your way")

else:

print("Incorrect, it seems like you need more practice")

print("Lets try something a little different")

activities=["soccer","football","reading"]

for e in activities:

print(e)

#The for loop presents the list

print("Which of the following is the odd one out?")

if answer.lower()=="reading":

print("Correct, I see you truly know your differences")

else:

print("Incorrect, try reading the question more careful next time")

def my\_function():

print("Don't worry, you are almost done")

my\_function()

#The def keyword is used to define the function

#The parameter is located inside the parentheses

x=1

while x<4:

print(x)

x+=1

print("Next Question!")

#The while loop executes the statement only if the condition is true

print("If a=40 and b=10, is the following statement true?")

answer=input("a<41 and b>9")

if answer.lower()=="true":

print("Well")

else:

print("Incorrect, try reviewing a little more")

print("If you put down this answer:")

a=40

b=10

if (a<41) and (b>9):

print("True, you are correct")

else:

print("False, you are incorrect")

#The and bool operator prints the string depending on the result of the statement