Day 1 Practice Problems

Browser environment:

repl.it/languages/python3

Be sure to practice good variable names!

* 1

Write a program that prints ‘Hello World’ to the screen. (This is a conventional first program when learning a new language.)

* 2

Write a program that asks the user for their name and greets them with their name

SampleIO:

What is your name? Rachael  
Hello Rachael

* 3

Ask the user to enter a number, then print out their number

SampleIO:

Enter a number: 5  
The user entered 5

* 4

Ask the user to enter a number and ask them for their name. Then use their name in the message that prints out what number they entered.

Sample IO:

Enter a number: 3  
Enter your name Rachael  
Rachael entered 3

* 5

Modify the following print statement:

print(“Hello world”)

to print out “Hello world” on 3 different lines like so (without adding another print statement):

Hello world

Hello world

Hello world

* 6

Ask the user for a word and ask the user for a number. Print out the word they entered as many times as the number they entered. Print the word on new lines.

Sample IO:

Please enter a name

Banana

Please enter a number

3

Banana

Banana

Banana

* 7

Get 2 different names from the user. Print out both names on 1 line.

Sample IO:

Enter name1: Rachael  
Enter name2: Sera  
Rachael Sera

* 8

Ask the user for a noun and a number greater than 1. Print out “There are <number> <noun>s”, where <number> is the number they entered (without the <>s) and <noun> is the noun they entered (again without the <>s) with an “s” at the end to make it plural.

Sample IO:

Enter a noun: cat  
Enter number: 5  
There are 5 cats

* 9

Ask the user for a decimal number. Then output “The decimal you entered is <number>.”

Sample IO:

Please enter a decimal 3.5  
The decimal you entered is 3.5.

* 10

Get 2 numbers from the user. Print out a patterns of \*s that is the first number wide by the 2nd number tall.

Sample IO:

Enter 1st number: 6  
Enter 2nd number: 3  
\*\*\*\*\*\*  
\*\*\*\*\*\*  
\*\*\*\*\*\*

* 11

Have the user enter a number. Print out “Hello world” separated by the number of tabs that the user entered.

Sample IO:

Enter the number of tabs: 4  
Hello world

* 12

Ask the user to enter a number. Then ask them to type that number spelled out. Then print out what they typed in.

Sample IO:

Please enter a number: 6  
Please enter 6 spelled out

six  
You typed six

If you finish all these problems, start downloading Idle. :) And congrats!