Verificación pre-silicio Primavera 2022

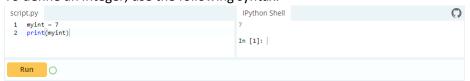


Lab#3: python_first scripts

Professor: Rogelio Hernández Hernández

Work made by: Christian Aaron Ortega Blanco Hermosillo, Son. 31 de mayo de 2022.

- 1. Review next resources and execute the examples and exercises in it.
- https://www.learnpython.org/en/Variables and Types
 - 1. To define an integer, use the following syntax:



2. To define a floating-point number, you may use one of the following notations:

3. Strings are defined either with a single quote or a double quote.

```
Script.py IPython Shell

1 mystring = 'hello' hello
2 print(mystring) hello
3 mystring = "hello"
4 print(mystring) In [1]:
```

 The difference between the two is that using double quotes makes it easy to include apostrophes (whereas these would terminate the string if using single quotes)

```
script.py IPython Shell

1 mystring = "Don't worry about apostrophes" Don't worry about apostrophes
2 print(mystring)

In [1]:
```

5. Simple operators can be executed on numbers and strings:

6. Assignments can be done on more than one variable "simultaneously" on the same line like this:



7. Mixing operators between numbers and strings is not supported:

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8. The target of this exercise is to create a string, an integer, and a floating point number. The string should be named mystring and should contain the word "hello". The floating point number should be named myfloat and should contain the number 10.0, and the integer should be named myint and should contain the number 20.

2. Write a script for next exercises.

• The volume of a sphere with radius r is 4/3 π r3. What is the volume of a sphere with radius 5?



Suppose the cover price of a book is \$24.95, but bookstores get a 40% discount. Shipping
costs \$3 for the first copy and 75 cents for each additional copy. What is the total
wholesale cost for 60 copies?

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• Write a script for the exercise 2.a, which accept the radius from the user.

