

PYTHON ASSIGNMENT BOOK

MAKE A MOVE TO PYTHON



ASSIGNMENTS

TASK ONE: NUMBERS AND VARIABLES

Submitted By

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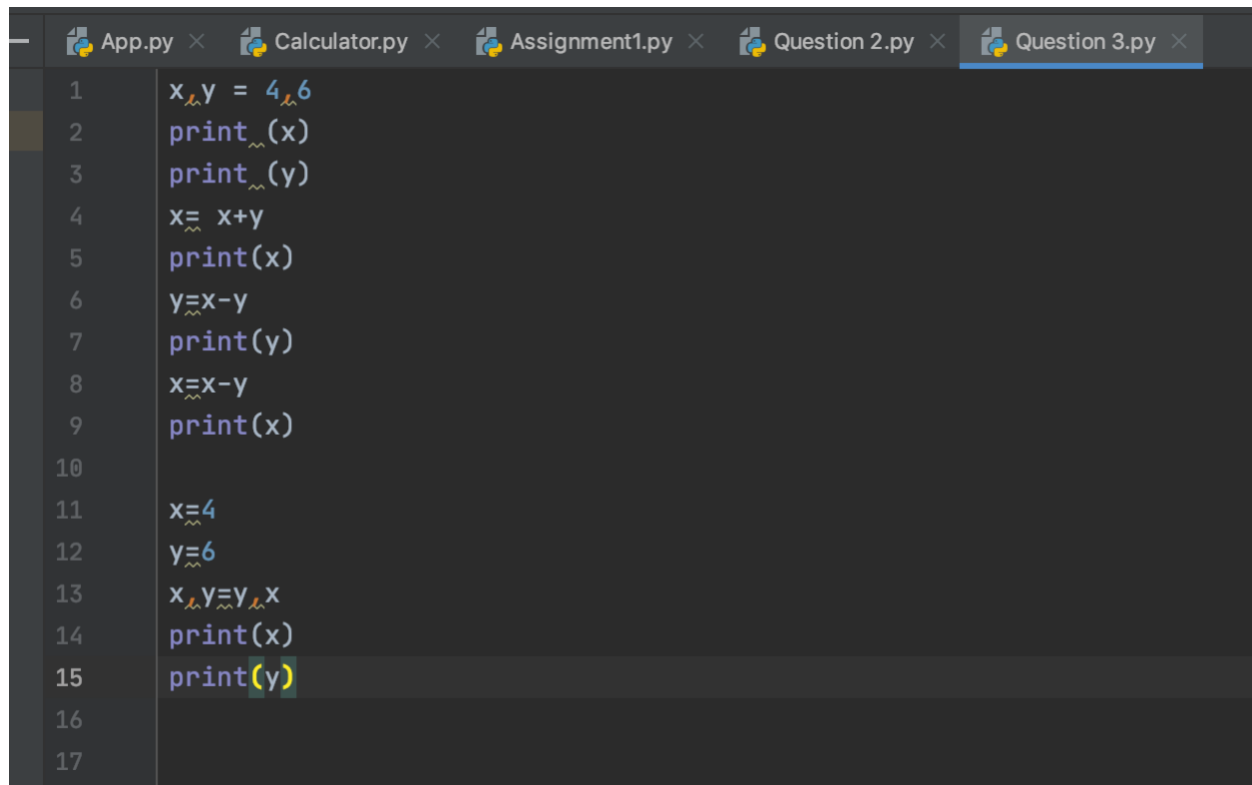
1. Create three variables in a single line and assign different values to them and make sure their data types are different. Like one is int, another one is float and last one is string.

```
App.py × Calculator.py × Assignment1.py ×
1 a, b, c = 30, 0.2, 'Onna'
2 print(a)
3 print(b)
4 print(c)
5
6
```

2. Create a variable of value type complex and swap it with another variable whose value is an integer.

```
App.py × Calculator.py × Assignment1.py × Question 2.py ×
1 a = 2j
2 b = 5
3 print(a)
4 print(b)
5 print(b+a)
6
7 a, b = b, a
8 print(a)
9 print(b)
```

3. Swap two numbers using third variable as result name and do the same task without using any third variable.



```
1 x,y = 4,6
2 print(x)
3 print(y)
4 x= x+y
5 print(x)
6 y=x-y
7 print(y)
8 x=x-y
9 print(x)
10
11 x=4
12 y=6
13 x,y=y,x
14 print(x)
15 print(y)
16
17
```

4. Write a program to print the value given by the user by using both Python 2.x and Python 3.x Version.

```
x=raw_input("Enter any value")
```

Enter any value30

```
Type(x)
```

```
>>>
>>>
>>> x=input("enter any value")
enter any value20
>>> type(x)
<type 'int'>
>>>
>>>
```

5. Write a program to complete the task given below:

- Ask user to enter any 2 numbers in between 1-10 and add both of them to another variable call z.

```
"""
[>>>
[>>>
[>>> a=input("enter any 2 numbers between 1-10")
[enter any 2 numbers between 1-102,3
[>>> type(a)
<type 'tuple'>
[>>>
[>>> Z=5,6
[>>> Z=input("enter any value")
[enter any value2,3
[>>> type(z)
```

6. Write a program to check the data type of the entered values. HINT: Printed output should say - The input value data type is: int/float/string/etc.

```
"""
[>>>
[>>> type("Hello World")
<type 'str'>
[>>> type(50)
<type 'int'>
[>>> type(3.5)
<type 'float'>
[>>>
[>>>
>>> █
```

7. Create Variable using CamelCase, LadderCase and UPPERCASE.
(Refer: <https://capitalizemytitle.com/camel-case/>)

CamelCase - MyNewProg

LadderCase - my_new_prog

UPPERCASE - MY_NEW_PROG

8. If one data type value is assigned to 'a' variable and then a different data type value is assigned to 'a' again. Will it change the value? If Yes then Why?

Yes, because it's taken the allotted value, it's called memory management.