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**ASSIGNMENTS**

**TASK ONE: NUMBERS AND VARIABLES**

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.

x, y, z = 7, 8.02, ‘apple’

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

x = 4 + 4j

y= 7

x, y = y, x

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

result = x

x = y

y= result

OR

x, y = y, x

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

Python 2.x

value = raw\_input(“Enter any number here: ”)

OR

value = eval(raw\_input(“Enter any number here: ”))

Python 3.x

Value = input(“Enter any number here: ”)

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.
* Use z for adding 30 into it and print the final result by using variable result.

a = int(input(“Enter any number between 1 - 10: ”))

b = int(input(“Enter another number between 1 - 10: ”))

z = a + b

print(a, ‘+’, b, ‘=’, z)

result = z + 30

print(‘Result: ’, z, ‘+’, ‘30 =’, result)

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

a= eval(input(‘Enter a desired value: ’))

print(‘The input value data type is: ’, type(a))

7. Create Variable using CamelCase, LadderCase and UPPERCASE.

CamelCase:

myBestCity = “London”

LadderCase:

myBestPlace = “London”

UPPERCASE:

MYBESTCITY = “London”