different data type.				
Code:				
x,y,z = 10, 2.08, 'hello'				
Result:				
>>> print x				
10				
>>> print y				
2.08				
>>> print z				
hello				
>>> type(x)				
<type 'int'=""></type>				
>>> type(y)				
<type 'float'=""></type>				
>>> type(z)				
<type 'str'=""></type>				
>>>				
2) Create a variable of type complex and swap it with another variable of type integer.				
Code:				
a = 3 + 5j				
b = 5				
c = a # using third variable to swap				
a = b				
b = c				
Result:				
# Before Swap				
>>> type(a)				

<type 'complex'>

>>> type(b)

<type 'int'>

1) Create three variables in a single line and assign values to them in such a manner that each one of them belongs to a

# After Swap
>>> print a
5
>>> type(a)
<type 'int'=""></type>
>>> print b
(3+5j)
>>> type(b)
<type 'complex'=""></type>
3) Swap two numbers using a third variable and do the same task without using any third variable.
Code:
# Swap by using third variable
a = 10
b = 20
c = a
a = b
b = c
# Swap without using third variable
a = 'one'
b = 'two'
a,b = b,a
Result:
# Using third Variable
# Before Swap
>>> print a
10
>>> print b
20

# After Swap
>>> print a
20
>>> print b
10
# Without using third Variable
# Before Swap
>>> print a
one
>>> print b
two
# After Swap
>>> print a
two
>>> print b
one
4) Write a program that takes input from the user and prints it using both Python 2.x and Python 3.x Version.
Code:
inp = input("Enter desired value to be printed")
print("Desired value is:")
print(inp)
5) Write a program to complete the task given below: Ask users to enter any 2 numbers in between 1-10, add the two numbers and keep the sum in another variable called z. Add 30 to z and store the output in variable result and print result as the final output.
Code:
inp1, inp2 = input("Enter two numbers between 1 and 10: ")

z = inp1 + inp2result = z + 30

print("Final result is:")

print(result)
Result:
python % python inp.py
Enter two numbers between 1 and 10: 5, 10 $$
Final result is:
45
vkurakundi@Vishwas-Mini python %

## 6) Write a program to check the data type of the entered values

## Code:

```
inp = input("Enter some data :")
type_of_data = type(inp)
print("Type of data is :")
print(type_of_data)
```

7) Create Variables using formats such as Upper CamelCase, Lower CamelCase, SnakeCase and UPPERCASE.

## Code:

```
helloWorld = "lower camel case"

HelloWorld = "upper camel case"

hello_world = "snake case"

HELLOWORLD = "upper case"
```

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?

**Answer:** Yes, it will change the value, as Python overwrites the previous variable.