

```
In [7]: ###1. Create three variables in a single a line and assign different v
        alues to them and make sure their data types are different. Like one is
        int, another one is float and the last one is a string
        a,b,c=1,2.3,"python"
        print(a)
        print(b)
        print(c)

1
2.3
python
```

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In [11]: #####Create a variable of value type complex and swap it with another var
        iable whose value is an integer.
        x=1+2j
        y=2
        x,y=y,x
        print('x=',x)
        print('y=',y)
        type(y)

x= 2
y= (1+2j)
```

Out[11]: complex

```
In [10]: ###Swap two numbers using the third variable as the result name and do t
        he same task without using any third variable.
        a=3
        b=5
        temp=a
        a=b
        b=temp
        print('a=',a)
        print('b=',b)

a= 5
b= 3
```

```
In [1]: #####without using any third variable.
        x=6
        y=8
        print ('Before swapping:')
        print ('Value of x:',x, 'and y:',y)
        x=x+y
        y=x-y
        x=x-y
        print ('After swapping:')
        print ('Value of x:',x, 'and y:',y)
```

Before swapping:  
Value of x: 6 and y: 8  
After swapping:  
Value of x: 8 and y: 6

```
In [ ]: #####Write a program to print the value given by the user by using both P
        ython 2.x and Python 3.x Version.
        #####Python2
        #x=eval(raw_input())
        x=eval(input())
```

```
In [ ]: number1=int(input('type 1st value:'))
        number2=int(input('type 2nd value:'))
        a=range(1,10)
        if(number1 not in a) and (number not in a):
            print('You exit,goodbye!')
        else:
            x=int(number1)
            y=int(number2)
            z=(x+y)
            print('The sum of two numbers is:',z)
```

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In [ ]: ###● Use z for adding 30 into it and print the final result by using
        variable result.
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In [ ]:
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In [ ]: ###Write a program to check the data type of the entered values. HINT: P
        rinted output should say - The input value data type is: int/float/stri
        ng/etc
        number=input('Enter the value')
        print('The input value data type is',type(number))
```

```
In [ ]: ###Create Variable using CamelCase, LadderCase and UPPERCASE
        ##Camelcase
        theGivenVale=10
        ###lowercase
        thegivenvalue=9
```