

"" Made by Tushar Roy ""

## Question 1

**Write a program to subtract 2 complex numbers in Python**

In [1]:

```
print("Enter real and imaginary parts seperated with a space")
a,b=map(int, input().split())
c,d=map(int, input().split())
i1=complex(a,b)
i2=complex(c,d)
print("The Sum is -",i1+i2)
```

```
Enter real and imaginary parts seperated with a space
5 10
2 6
The Sum is - (7+16j)
```

## Question 2

**Write a Program to find the 4th root of a number**

In [2]:

```
a=int(input("Enter a Number-"))
print(a**0.25)
```

```
Enter a Number-16
2.0
```

## Question 3:

**Write a program to swap two numbers in Python with the help of a temporary variable.**

In [3]:

```
print("Enter 2 numbers one by one ")
a=int(input())
b=int(input())
print("Before Swapping : a= ",a," b = ",b)
temp=a
a=b
b=temp
print("After Swapping : a= ",a," b = ",b)
```

```
Enter 2 numbers one by one
10
20
Before Swapping : a= 10 b = 20
After Swapping : a= 20 b = 10
```

## Question 4:

Write a program to swap two numbers in Python without using a temporary variable.

In [5]:

```
print("Enter 2 numbers one by one ")
a=int(input())
b=int(input())
print("Before Swapping : a= ",a," b = ",b)
a,b=b,a
print("After Swapping : a= ",a," b = ",b)
```

```
Enter 2 numbers one by one
30
60
Before Swapping : a= 30 b = 60
After Swapping : a= 60 b = 30
```

## Question 5:

Write a program to convert fahrenheit to kelvin and celsius both.

In [6]:

```
f=int(input("Enter temprature in Fahrenheit-"))
k= (f + 459.67) * (5/9)
c= (f - 32) * (5/9)
print("Temprature in Kelvin- %.2f" % k)
print("Temprature in Celsius-",c)
```

```
Enter temprature in Fahrenheit-68
Temprature in Kelvin- 293.15
Temprature in Celsius- 20.0
```

## Question 6:

Write a program to demonstrate all the available data types in Python. Hint: Use type() function

In [7]:

```
integer=10
float_ = 10.0
string = "AB"
c= 2+3j
lists=[1,2]
tup=(2,)
print(type(integer))
print(type(float_))
print(type(string))
print(type(c))
print(type(lists))
print(type(tup))
```

```
<class 'int'>
<class 'float'>
<class 'str'>
<class 'complex'>
<class 'list'>
<class 'tuple'>
```

## Question 7:

Create a Markdown cell in jupyter and list the steps discussed in the session by Dr. Darshan Ingle sir to create Github profile and upload Githubs Assignment link.

- Go to [www.github.com](http://www.github.com) (<http://www.github.com>)
- Login / Register
- Click on "New Repository"
- Go to the repository
- Click on Add file -> Upload Files
- Upload Each Day's Assignment