## 1.Write a program to subtract two complex numbers in Python.

```
1  cn = 8 + 7j
2  cn1 = 5 + 1j
3  print('Subtraction is =', cn - cn1)
```

Subtraction is = (3+6j)

## 2.Write a program to find the fourth root of a number.

```
1  a = 12
2  b = 4
3  c = 12**4
4  print(c)
```

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

```
1  x = 5
2  y = 10
3
4  temp = x
5  x = y
6  y = temp
7
8  print('x is =',x)
9  print('y is =',y)
```

x is = 10
y is = 5

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

```
1  x = 5
2  y = 10
3
4  x, y = y, x
5  print("x is =", x)
6  print("y is =", y)
```

x is = 10
y is = 5

## 5.Write a program to convert Fahrenheit to kelvin and celsius both.

```
In [15]:   1  fahrenheit = 38
           2  celsius = (fahrenheit - 32) * 5/9
           3  Kelvin = 273.5 + ((fahrenheit - 32.0) * (5.0/9.0))
           4  print('%.2f Fahrenheit is: %0.2f Celsius' %(fahrenheit, celsius))
           5  print('%.2f Fahrenheit is: %0.2f Kelvin' %(fahrenheit, Kelvin))
```

```
38.00 Fahrenheit is: 3.33 Celsius
38.00 Fahrenheit is: 276.83 Kelvin
```

## 6.Write a program to demonstrate all the available data types in Python.

```
In [19]:   1  a = 5
           2  print(a, "is of type", type(a))
           3
           4  b = 2.0
           5  print(b, "is of type", type(a))
           6
           7  c = 1+2j
           8  print(c, "is of type", type(c))
           9
          10  d = "Cat"
          11  print(d, "is of type", type(d))
```

```
5 is of type <class 'int'>
2.0 is of type <class 'int'>
(1+2j) is of type <class 'complex'>
Cat is of type <class 'str'>
```

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

1. Create a github account by signup in github and filling proper details.
2. Create a Github public repository and name it LetsUpgrade AI/ML.
3. Copy the URL of the Folder of that day and paste in the Assignment Submission Form.