

▼ Assignment Day 3

▼ Question 1 :

Write a program to subtract two complex numbers in Python.

```
a = 1+2j
b = 22+44j
c = b-a
print (c)
```

```
↳ (21+42j)
```

▼ Question 2 :

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

```
a = 2
b = a**4
print(b)
```

```
↳ 16
```

▼ Question 3:

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

```
a = 'this is first string'
b = 'this is second string'
c = a
a = b
b = c
print (a,'a')
print (b,'b')
```

```
↳ this is second string a
   this is first string b
```

▼ Question 4:

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

```
a = 'first'
b = 'second'
```

```

b = second
a,b = b,a
print (a,'a')
print (b,'b')

```

```

↳ second a
   first b

```

▼ Question 5:

Write a program to convert to kelvin and celsius both.

```

fahrenheit = 22

kelvin = (fahrenheit + 459.67) /1.8
celsius = (fahrenheit - 32) / 1.8

print (kelvin)
print (celsius)

```

```

↳ 267.59444444444443
   -5.555555555555555

```

▼ Question 6:

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

```

INTEGER = 10
FLOATING_POINT = 1.222
COMPLEX = 1+2j
STRING = 'HI'
BOOLEAN = True

print(type(INTEGER))
print(type(FLOATING_POINT))
print(type(COMPLEX))
print(type(STRING))
print(type(BOOLEAN))

```

```

↳ <class 'int'>
   <class 'float'>
   <class 'complex'>
   <class 'str'>
   <class 'bool'>

```

▼ 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.

- Create a Github public repo and name it LetsUpgrade AI/ML
- Upload the files/solution in the repo in day wise manner.
- Copy the URL of the Folder of that day and paste in the Assignment Submission Form (Google Form)
- fill the details in the Assignment Submission Form.
- all the assignment given during the weekdays should be submitted by respective SUNDAY 11:59 PM IST