

Day_7_Function(01)_(DATA_MINDS)

September 9, 2023

FUNCTION

```
[4]: print("Virat Tiwari")
```

Virat Tiwari

```
[5]: l=[21,36,2,45]
```

```
[6]: len(l)
```

```
[6]: 4
```

```
[7]: #IN THE MODULAR CODING WE NEED TO CREATE THE FUNCTION WITHOUT IT WE CAN NOT_
      ↪CREATE THE PROGRAM
```

WE CREATE FUNCTION WITH HELP OF “DEF” KEYWORD

DEF=IT DEFINES THE DEFINITION

```
[10]: def test():
      pass
```

```
[11]: def test1():
      print("This is my very first function")
```

```
[12]: test1()
```

This is my very first function

FUNCTION GENRALLY INCREASE THE REUSABILITY OF CODE

```
[13]: test1()
```

This is my very first function

```
[16]: test1()+"Virat"
```

This is my very first function

```

-----
TypeError                                Traceback (most recent call last)
Cell In[16], line 1
----> 1 test1()+"Virat"

TypeError: unsupported operand type(s) for +: 'NoneType' and 'str'

```

Note - PRINT ALWAYS GIVE THE NONE TYPE SO WE DO NOT USE THE PRINT IN FUNCTION , WE USE THE “RETURN” KEYWORD

```
[17]: def test2():
      return "This is my very first return"
```

```
[20]: test2()
```

```
[20]: 'This is my very first return'
```

```
[27]: test2()+" I did it"
```

```
[27]: 'This is my very first return I did it'
```

```
[28]: def test3():
      return "Virat Tiwari",22,[1,2,3]
```

```
[29]: test3()
```

```
[29]: ('Virat Tiwari', 22, [1, 2, 3])
```

```
[32]: a,b,c=test3()
```

```
[33]: a
```

```
[33]: 'Virat Tiwari'
```

```
[34]: b
```

```
[34]: 22
```

```
[35]: c
```

```
[35]: [1, 2, 3]
```

```
[36]: a,b=1,2
```

```
[37]: a
```

[37]: 1

[38]: b

[38]: 2

```
[39]: def test4():  
      a=6+4/2  
      return a
```

[41]: test4()

[41]: 8.0

[44]: test4()+2+2*5

[44]: 20.0

```
[ ]: def test5(a,b,c):  
      d=a+b/c  
      return d
```

[]: test5(4,5,6)

```
[ ]: test6(a,b):  
      return a+b
```

[]: test6(1,4):

[]: