Day 13 (17/08/23): (Def, return)

Python Functions: (Body of the Function):
        Function is a block of code, which only runs when it is called.

1) def(): def() is used to define a function which can be used where it is called.

Code:
```python
def stdata():
    print("Called")
stdata() # simple function creation code
```

Output:
Called

a) Argument Passing into def():

Code:
```python
def createnewaccount(username,password):
    if username=="ranjithshivn" and password=="Shiv@python":
        print ("Succesfull")
    else:
        print("pls check")
username=input("Username: ")
password=input("Password: ")
createnewaccount(username,password)
```

Output:
Username: ranjithshivn
Password: Shiv@python
Succesful

b) Odd/even using def():
Code:

```python
def oddoreven(num):
    if num%2==0:
        print("Even Num")
    else:
        print("Odd Num")
num=int(input("Enter the Number: "))
oddoreven(num)
```

Output:
Enter the Number: 26
Even Num
35

2) Return:

Return is used to store the value of a variable or a def() and use it when it is called.

a) Using a def() in another def() using return:

Code:

```python
def oddoreven():
    x=10
    y=20
    c=x+y
    return c
def data():
    print(5+oddoreven())
data()
```

Output:
35

b) Multiple def() with if:

Code:

```python
print("Bee Techs: ")
print("1 - tea")
print("2 - coffee")
print("3 - Juice")
user=int(input("Enter your option: "))
def tea():
    print("You've selected tea")
def coffee():
    print("You've selected coffee")
def juice():
    print("You've selected Juice")
if user==1:
    tea()
elif user==2:
    coffee()
elif user==3:
    juice()
```

Output:
Bee Techs:
1 - tea
2 - coffee
3 - Juice
Enter your option: 2
You've selected coffee