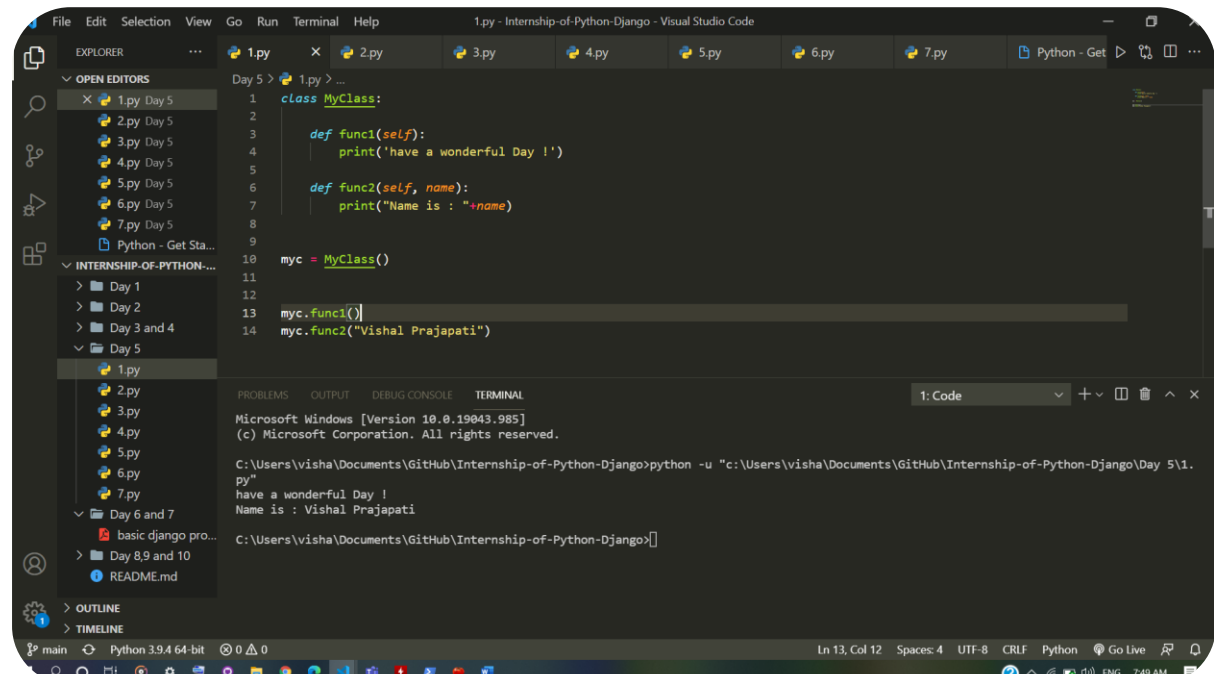


**Task of day5:** here is some examples of programs to understand the object oriented programming concepts in python.

1.py:



```
1.py - Internship-of-Python-Django - Visual Studio Code

EXPLORER
  OPEN EDITORS
    1.py Day 5
    2.py Day 5
    3.py Day 5
    4.py Day 5
    5.py Day 5
    6.py Day 5
    7.py Day 5
    Python - Get Sta...
  INTERNSHIP-OF-PYTHON-...
    Day 1
    Day 2
    Day 3 and 4
    Day 5
      1.py
      2.py
      3.py
      4.py
      5.py
      6.py
      7.py
    Day 6 and 7
    basic django pro...
    Day 8,9 and 10
    README.md
  OUTLINE
  TIMELINE

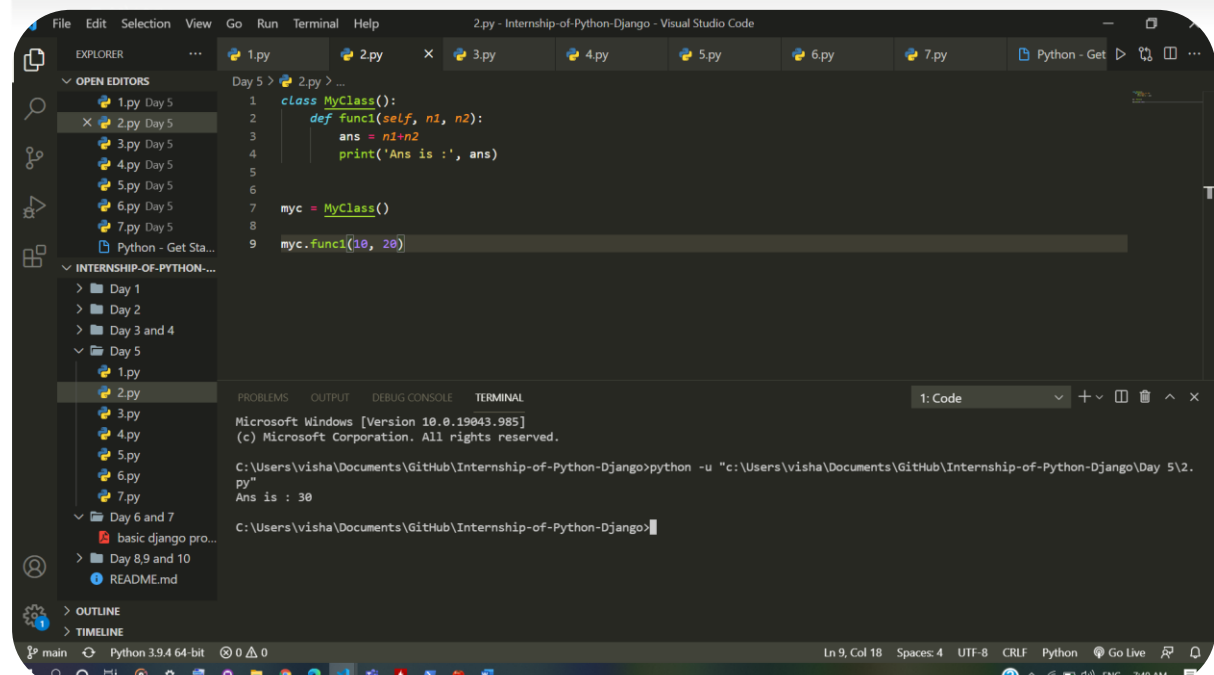
1.py
1 class MyClass:
2
3     def func1(self):
4         print('have a wonderful Day !')
5
6     def func2(self, name):
7         print("Name is : "+name)
8
9 myc = MyClass()
10
11
12 myc.func1()
13
14 myc.func2("Vishal Prajapati")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: Code
Microsoft Windows [Version 10.0.19043.985]
(c) Microsoft Corporation. All rights reserved.

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\1.py"
have a wonderful Day !
Name is : Vishal Prajapati

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>
```

2.py:



```
2.py - Internship-of-Python-Django - Visual Studio Code

EXPLORER
  OPEN EDITORS
    1.py Day 5
    2.py Day 5
    3.py Day 5
    4.py Day 5
    5.py Day 5
    6.py Day 5
    7.py Day 5
    Python - Get Sta...
  INTERNSHIP-OF-PYTHON-...
    Day 1
    Day 2
    Day 3 and 4
    Day 5
      1.py
      2.py
      3.py
      4.py
      5.py
      6.py
      7.py
    Day 6 and 7
    basic django pro...
    Day 8,9 and 10
    README.md
  OUTLINE
  TIMELINE

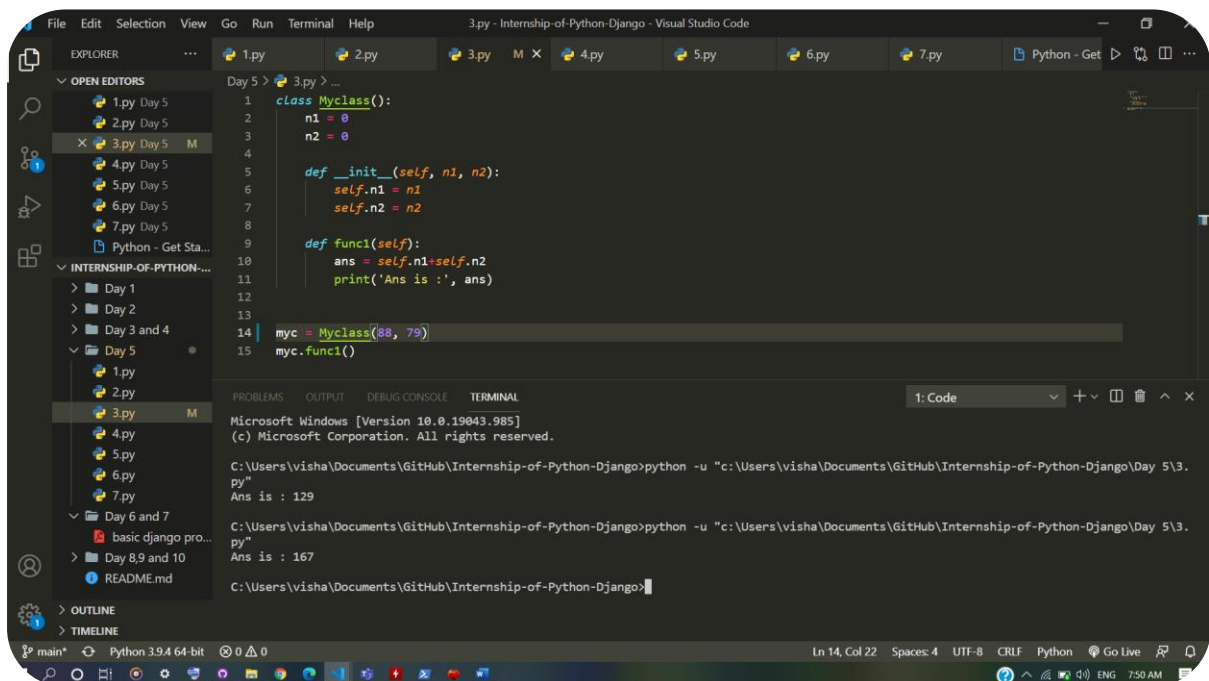
2.py
1 class MyClass():
2     def func1(self, n1, n2):
3         ans = n1+n2
4         print('Ans is :', ans)
5
6
7 myc = MyClass()
8
9 myc.func1(10, 20)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: Code
Microsoft Windows [Version 10.0.19043.985]
(c) Microsoft Corporation. All rights reserved.

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\2.py"
Ans is : 30

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>
```

3.py:



```
1 class Myclass():
2     n1 = 0
3     n2 = 0
4
5     def __init__(self, n1, n2):
6         self.n1 = n1
7         self.n2 = n2
8
9     def func1(self):
10        ans = self.n1+self.n2
11        print('Ans is :', ans)
12
13
14 myc = Myclass(88, 79)
15 myc.func1()
```

Microsoft Windows [Version 10.0.19043.985]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\3.py"

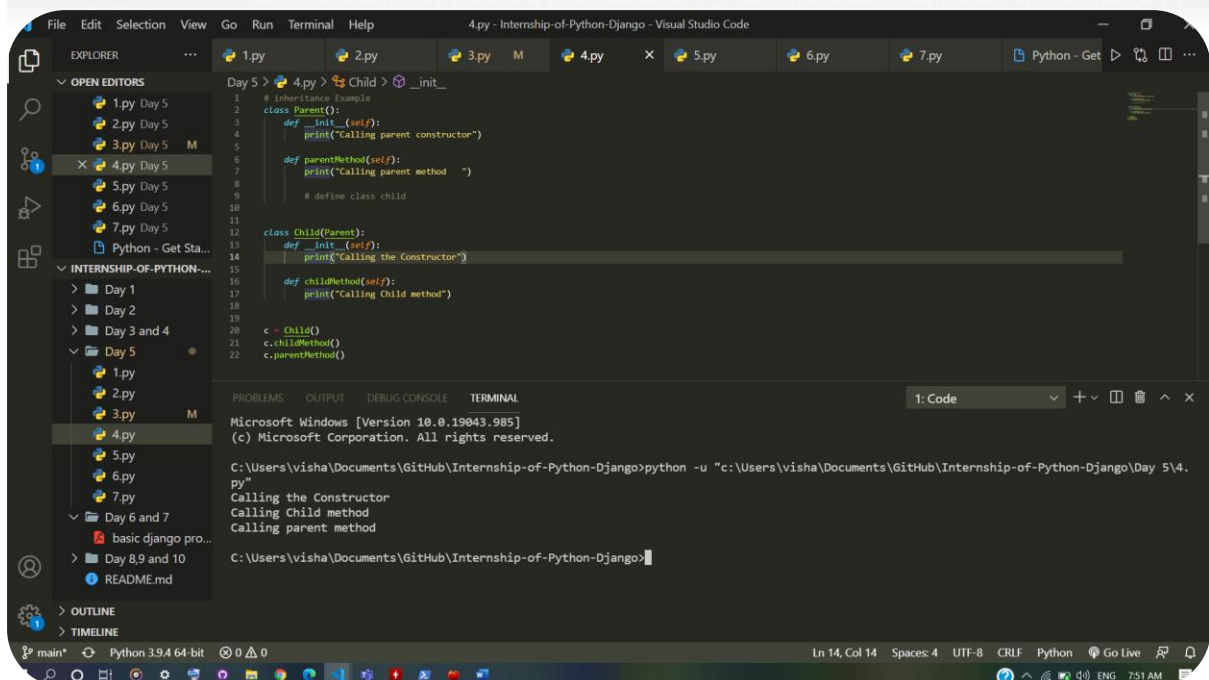
Ans is : 129

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\3.py"

Ans is : 167

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>

4.py:



```
1 # Inheritance Example
2 class Parent():
3     def __init__(self):
4         print("Calling parent constructor")
5
6     def parentMethod(self):
7         print("Calling parent method")
8
9     # define class child
10
11 class Child(Parent):
12     def __init__(self):
13         print("Calling the Constructor")
14
15     def childMethod(self):
16         print("Calling Child method")
17
18
19 c = Child()
20 c.childMethod()
21 c.parentMethod()
```

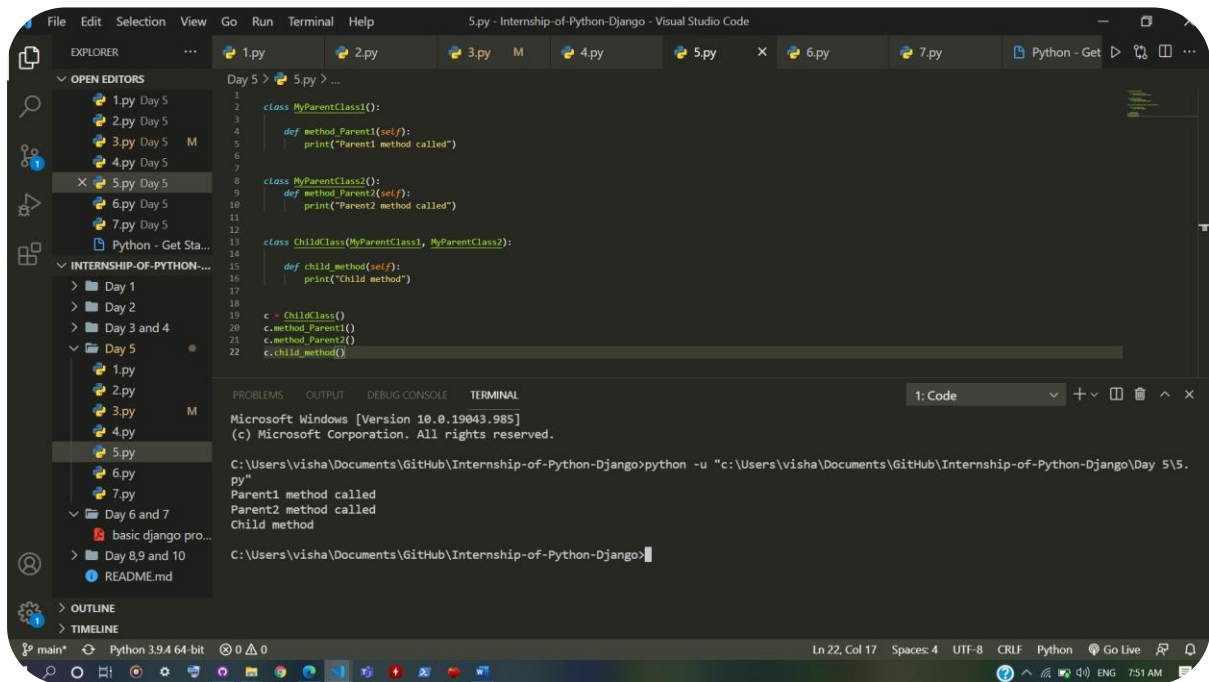
Microsoft Windows [Version 10.0.19043.985]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\4.py"

Calling the Constructor  
Calling Child method  
Calling parent method

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>

5.py:



```
1 class MyParentClass1():
2
3     def method_Parent1(self):
4         print("Parent1 method called")
5
6
7 class MyParentClass2():
8
9     def method_Parent2(self):
10        print("Parent2 method called")
11
12
13 class ChildClass(MyParentClass1, MyParentClass2):
14
15     def child_method(self):
16         print("Child method")
17
18
19 c = ChildClass()
20 c.method_Parent1()
21 c.method_Parent2()
22 c.child_method()
```

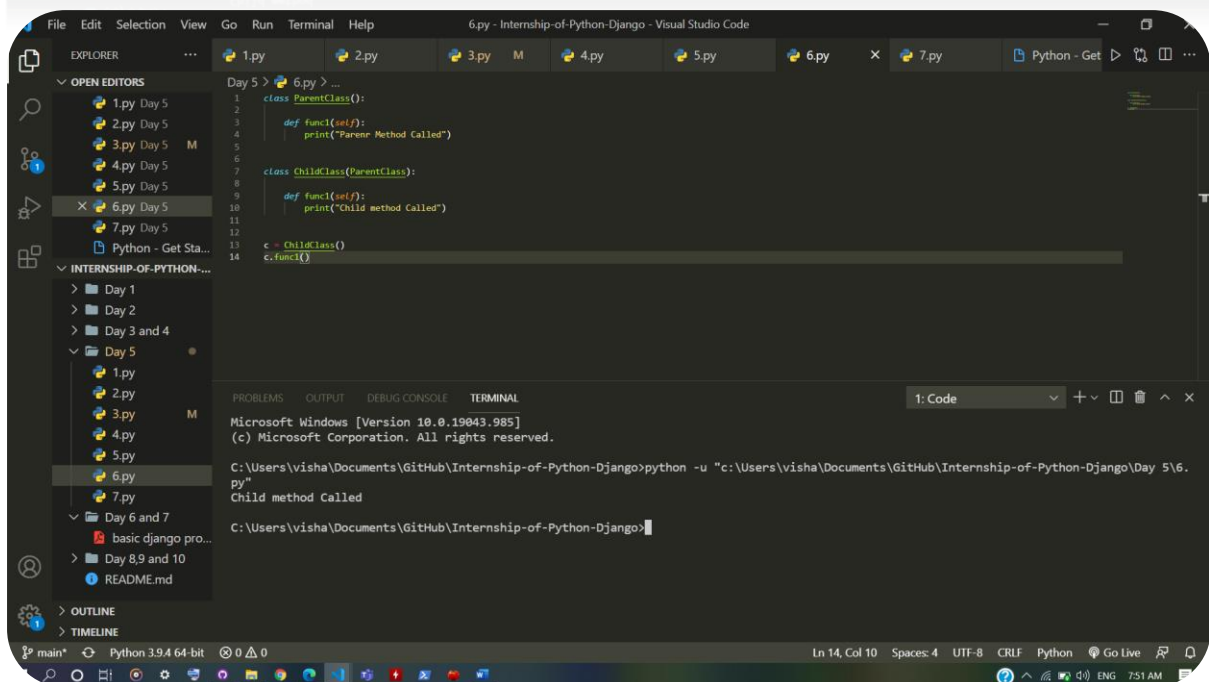
Microsoft Windows [Version 10.0.19043.985]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\5.py"

Parent1 method called  
Parent2 method called  
Child method

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>

6.py:



```
1 class ParentClass():
2
3     def func1(self):
4         print("Parent Method Called")
5
6
7 class ChildClass(ParentClass):
8
9     def func1(self):
10        print("Child method Called")
11
12
13 c = ChildClass()
14 c.func1()
```

Microsoft Windows [Version 10.0.19043.985]  
(c) Microsoft Corporation. All rights reserved.

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\6.py"

Child method Called

C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>

7.py:

The screenshot displays the Visual Studio Code interface with a Python file named 7.py open. The code defines a `ParentClass` and a `ChildClass` that inherits from it. The `ChildClass` has a `func1` method that prints "Child method called" and then calls the `func1` method of the `ParentClass`. The terminal output shows the execution of the script, which prints "Child method called" followed by "Parent method called".

```
4 print("Parent method called")
5
6
7 class ChildClass(ParentClass):
8
9     def func1(self):
10         print("Child method called")
11
12
13 c = ChildClass()
14 c.func1()
15
16 p = ParentClass()
17 p.func1()
```

Terminal Output:

```
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 5\7.py"
Child method called
Parent method called
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>
```