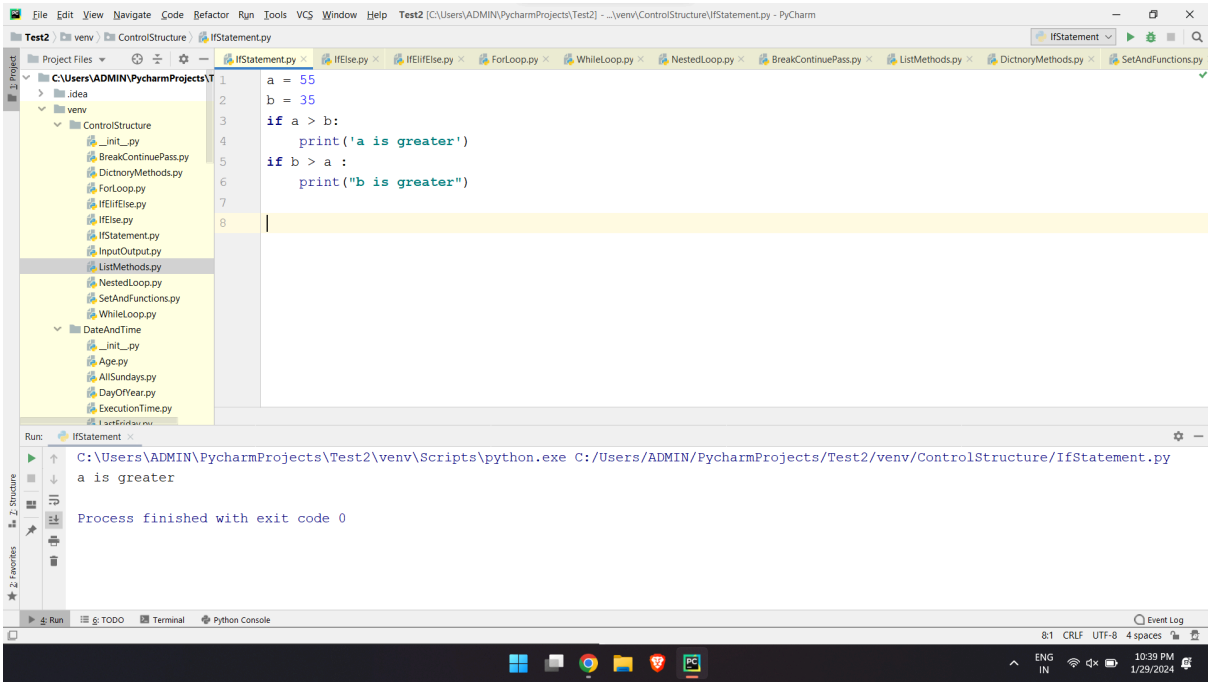
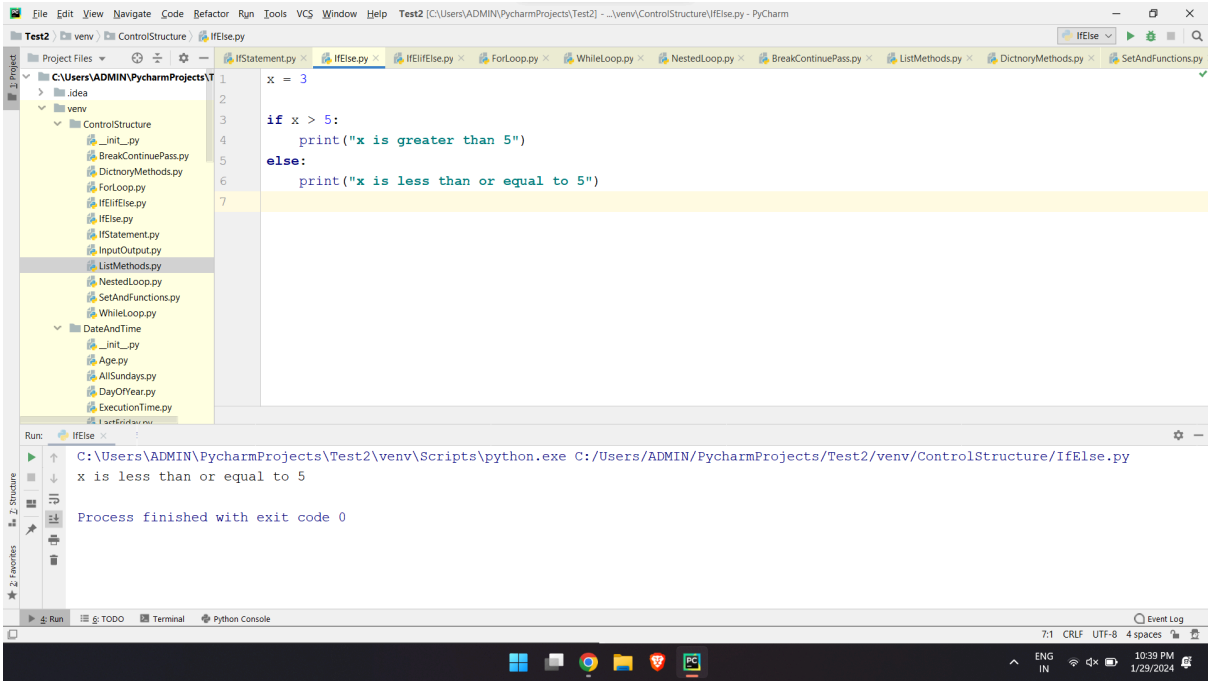
Name : Parth Nandedkar
Date : 29 Jan 2024
Topics : Python
Batch : Data Engineering Batch-1

Control Structure :

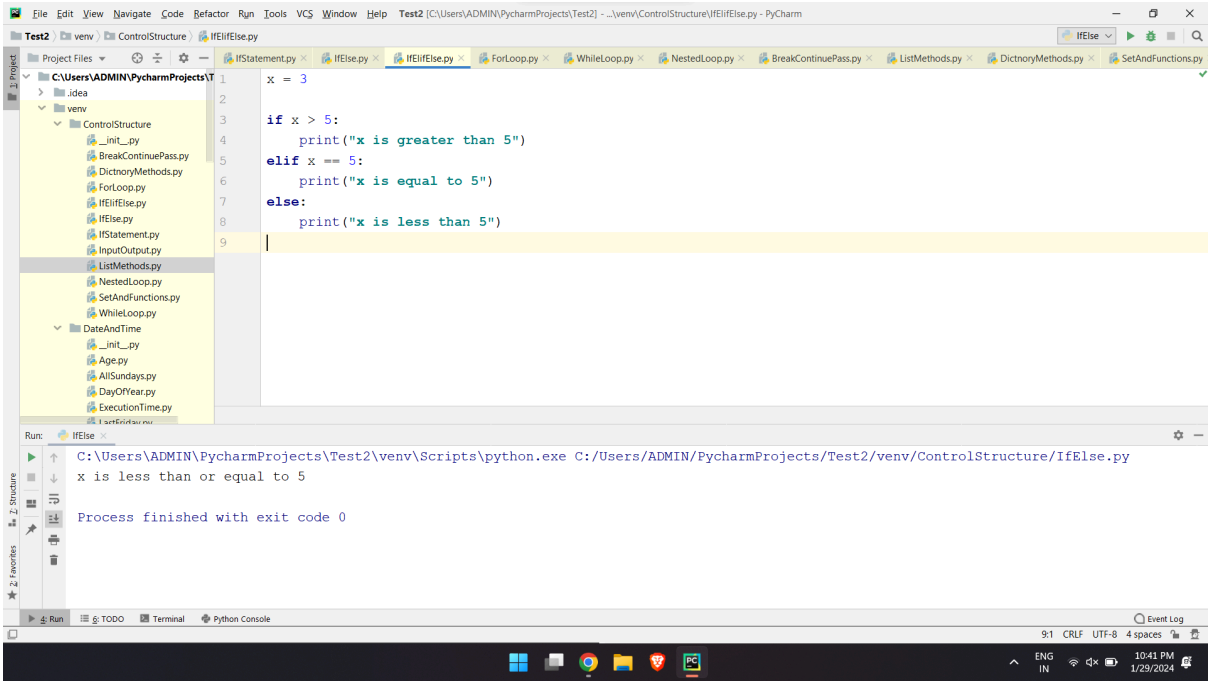
If statement :



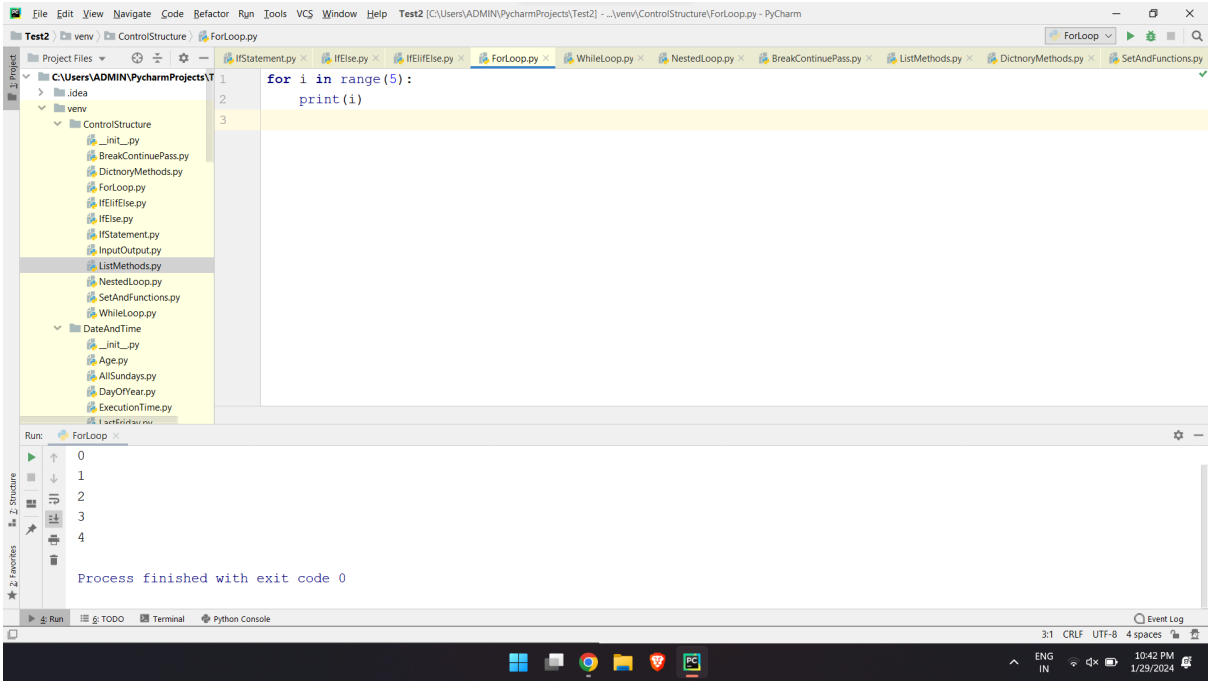
If else :



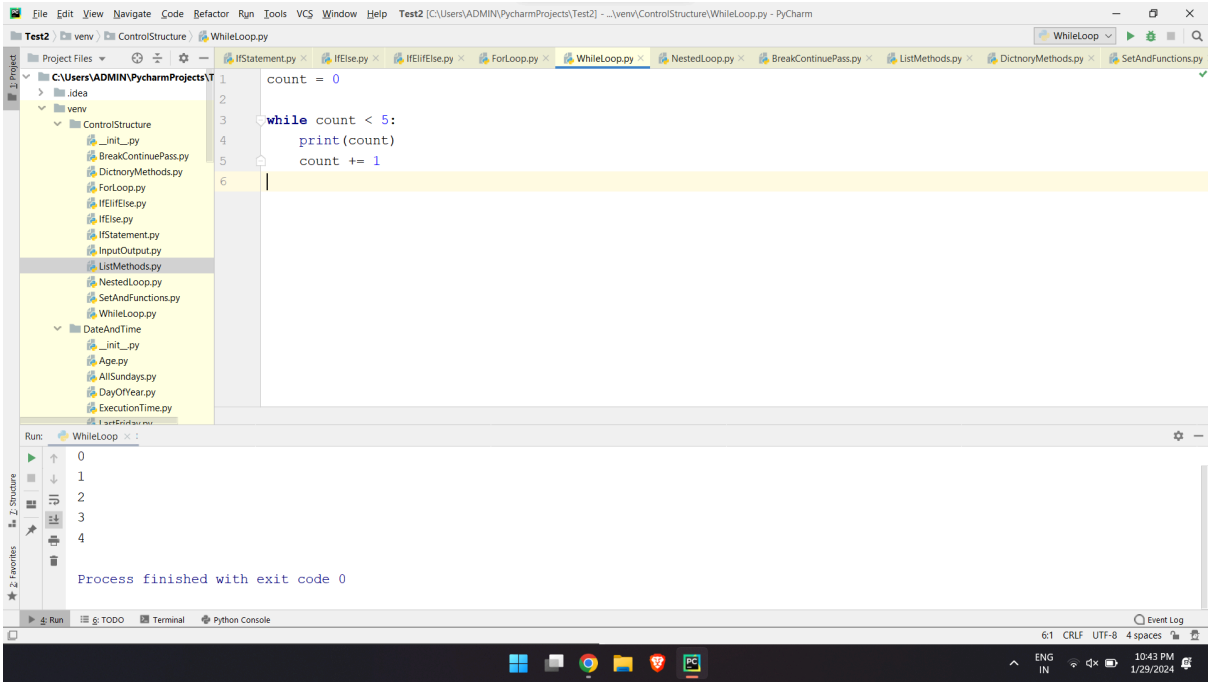
If elif else :



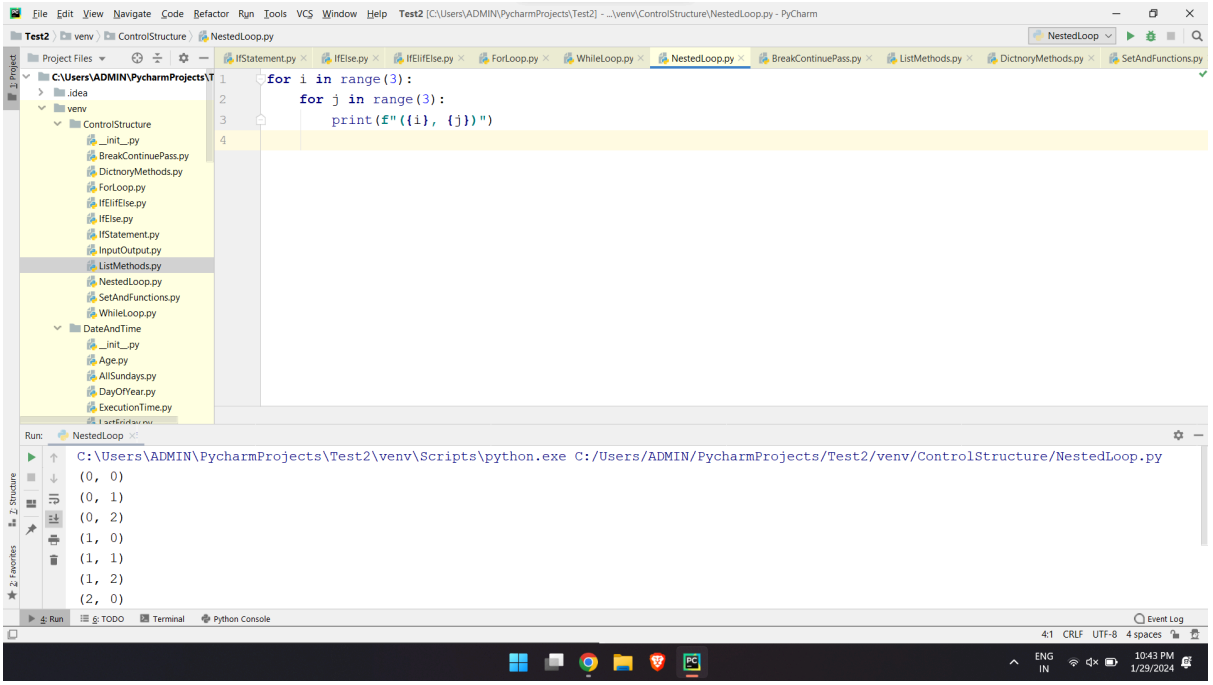
For loop :



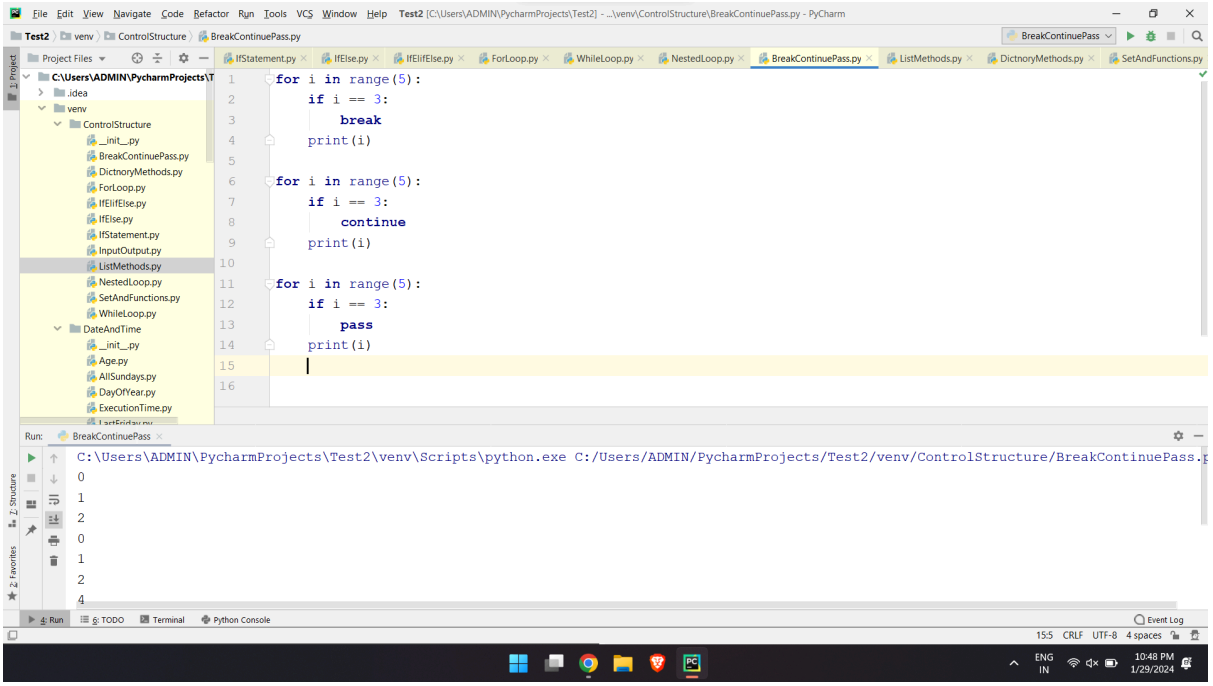
While loop :



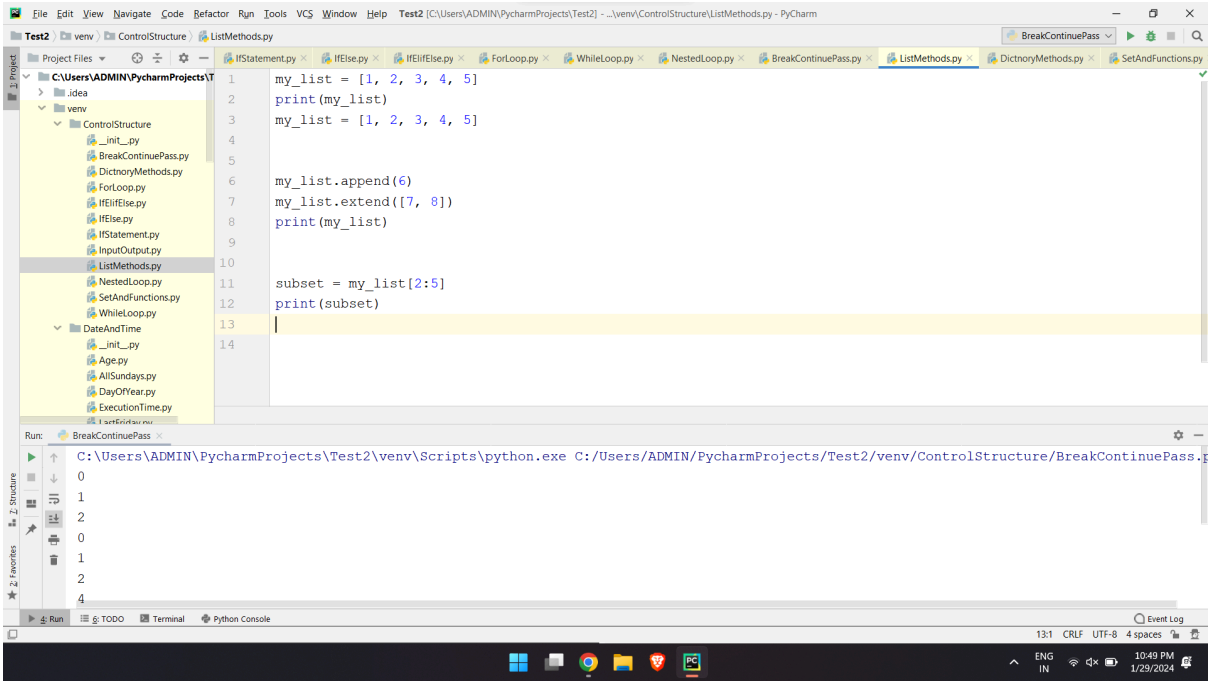
Nested loop :



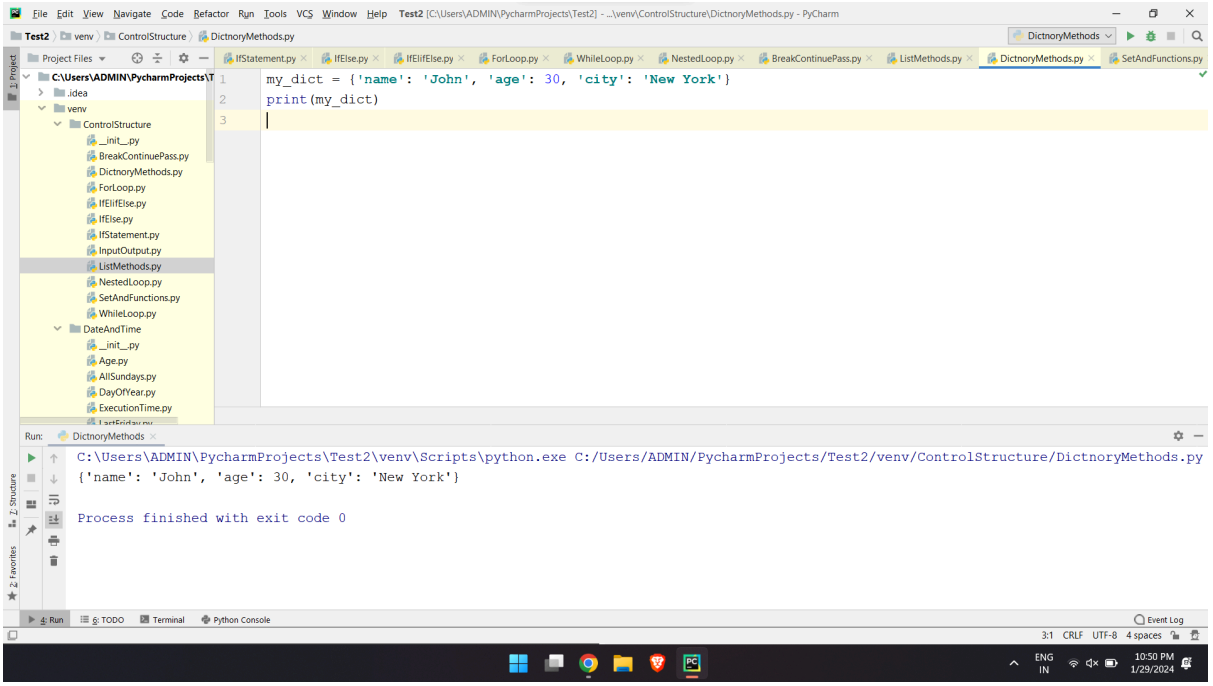
Break, Continue, Pass :



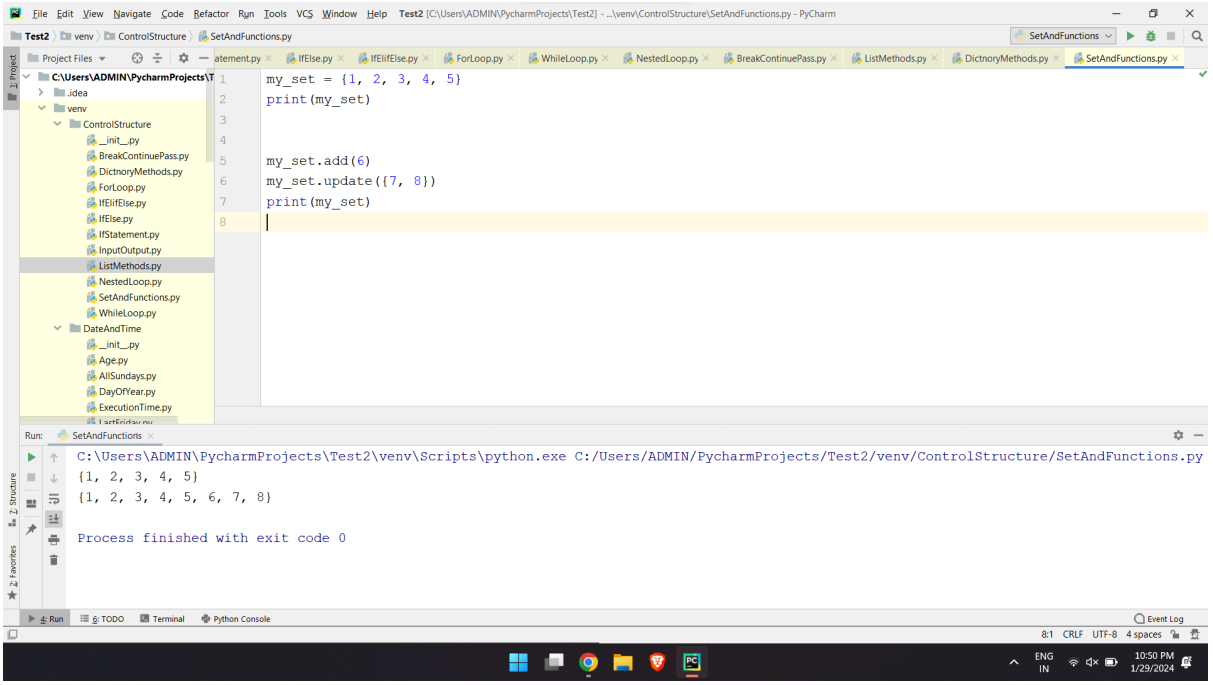
List Methods :



Dictionary Methods :

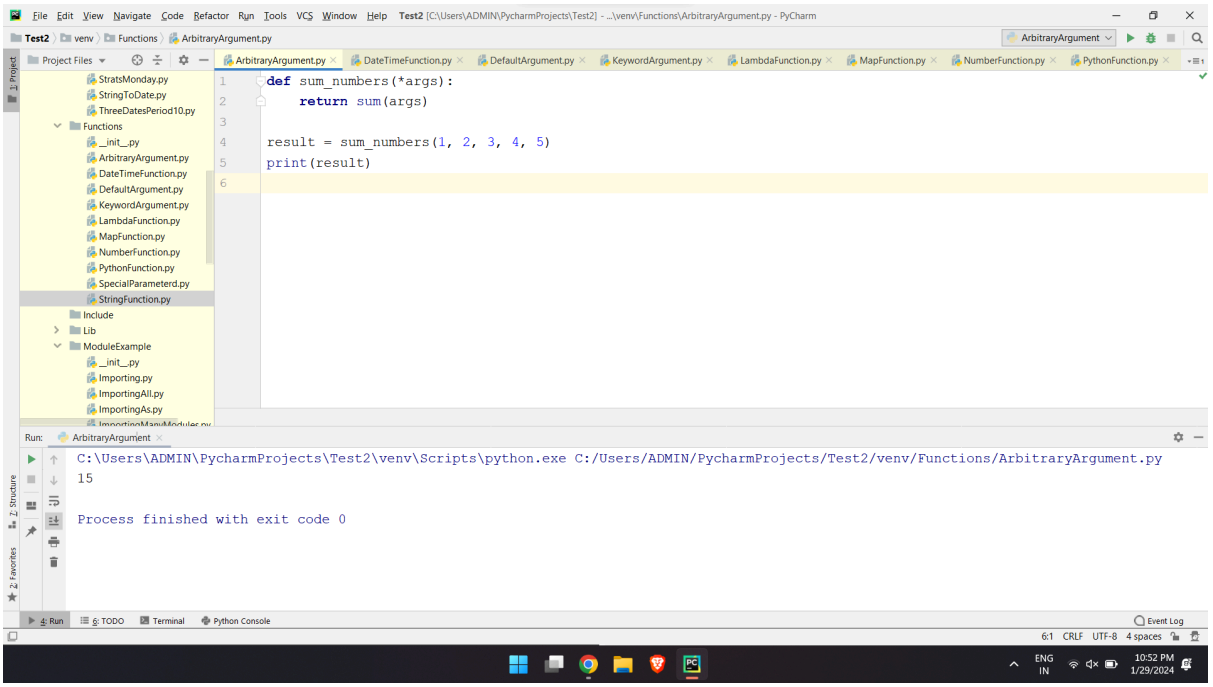


Set functions :

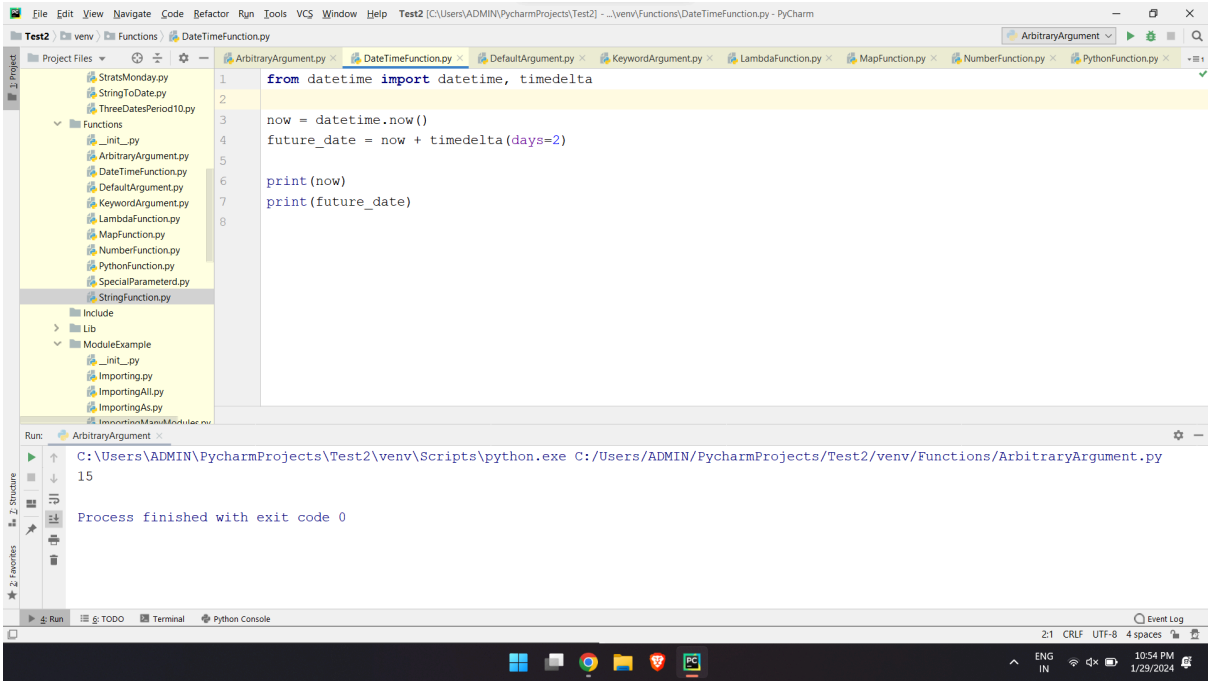


Functions :

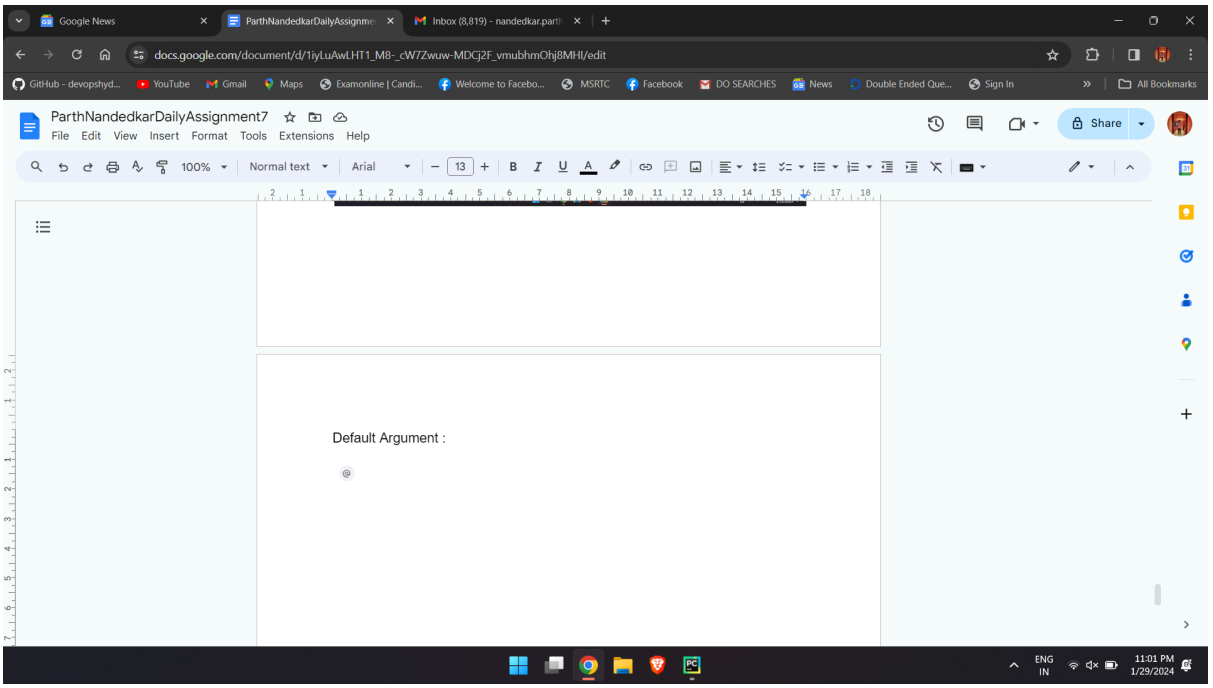
Arbitrary constant :



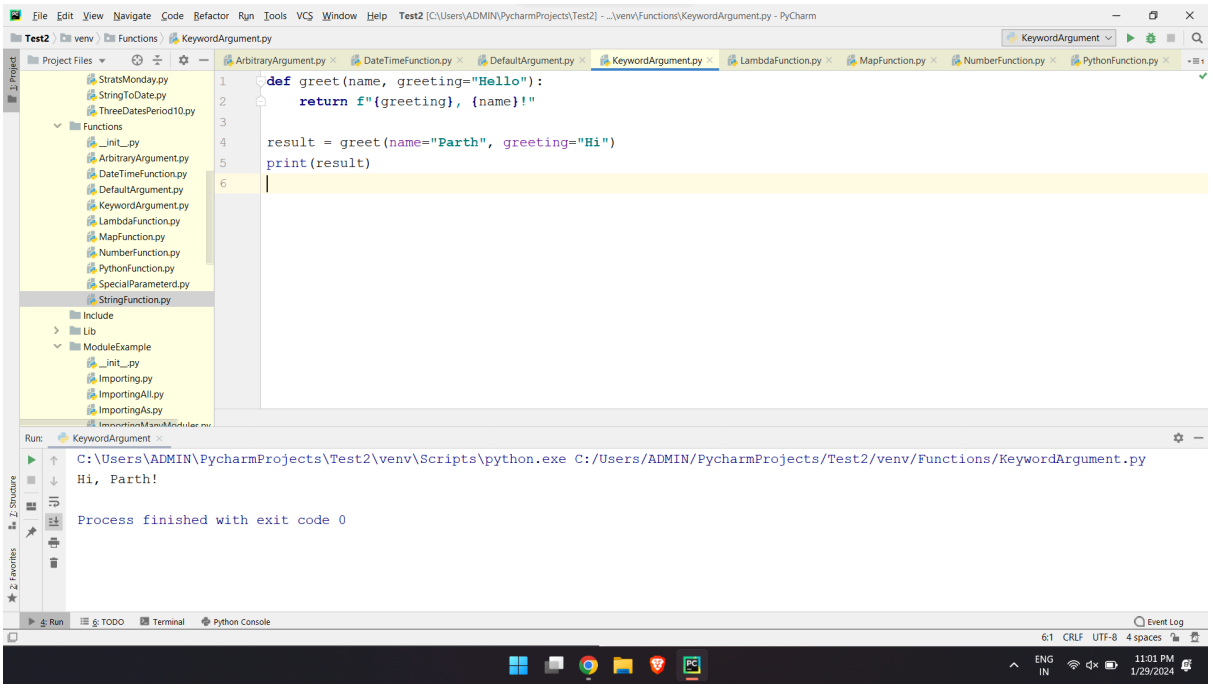
Datetime Functions :



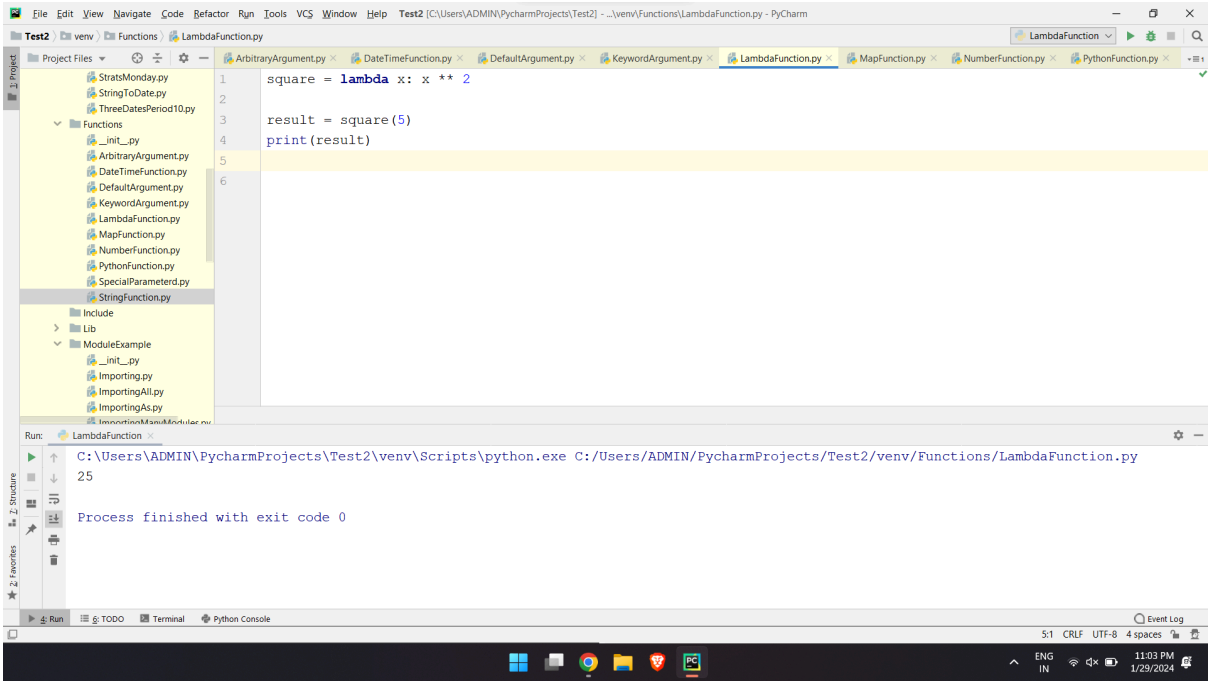
Default Argument :



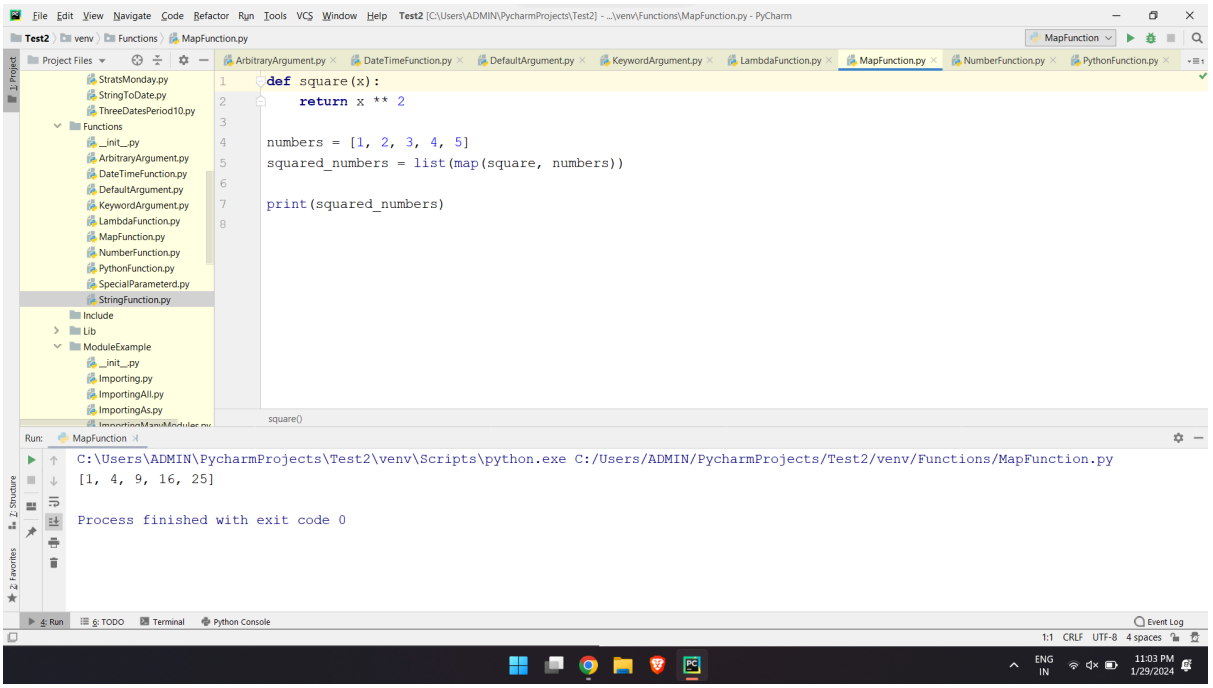
Keyword argument :



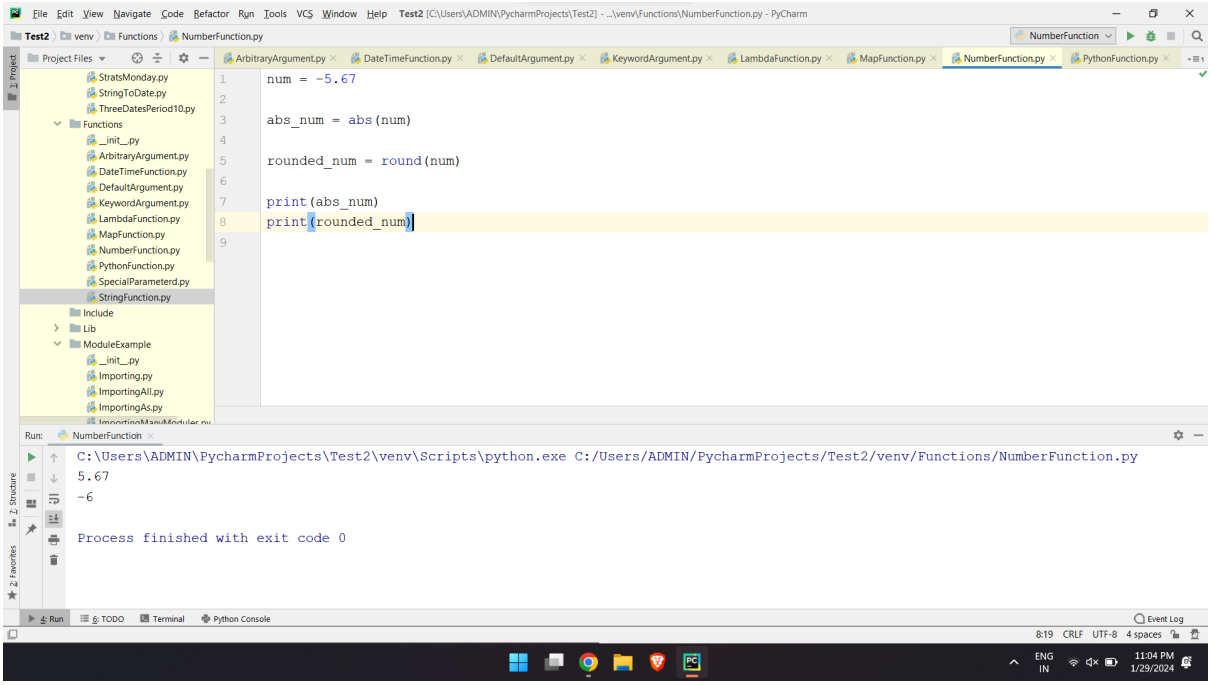
Lambda function :



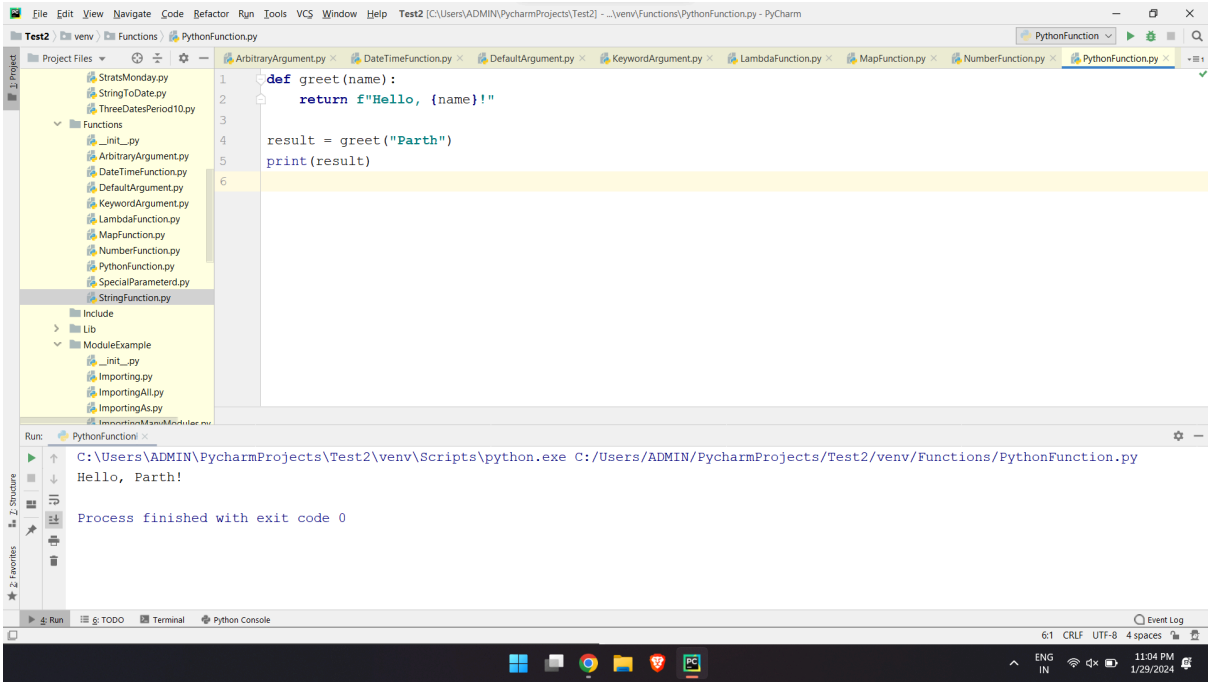
Map function :



Number function :

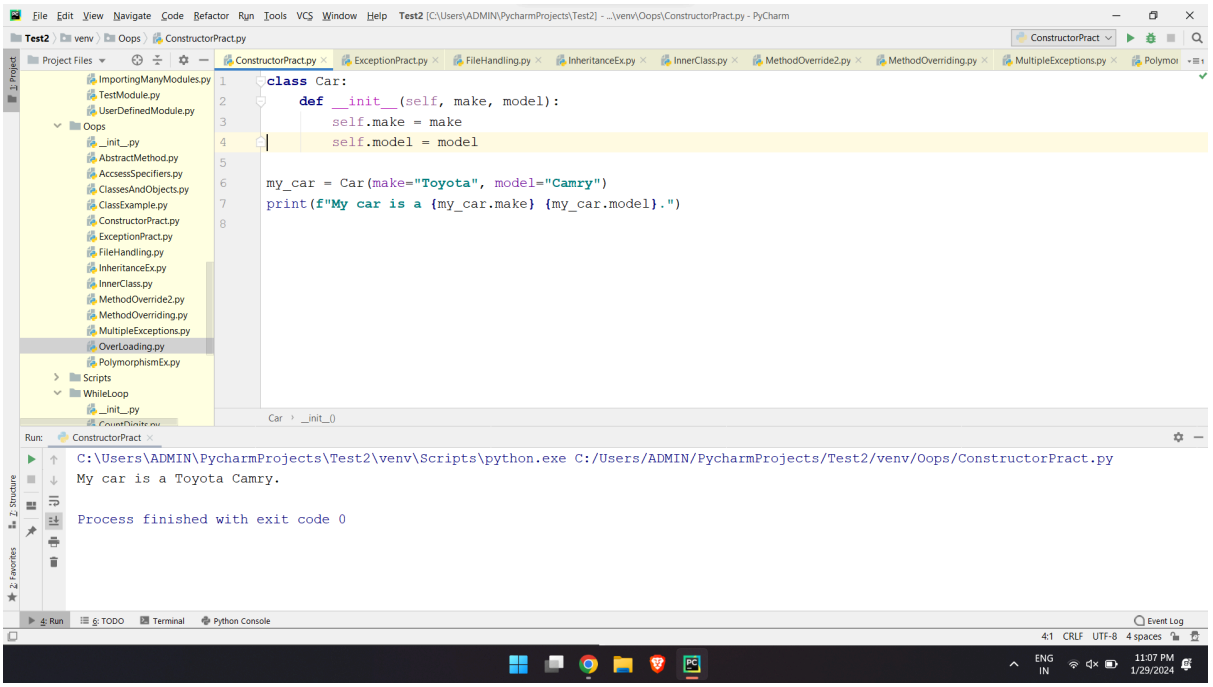


Python Functions :

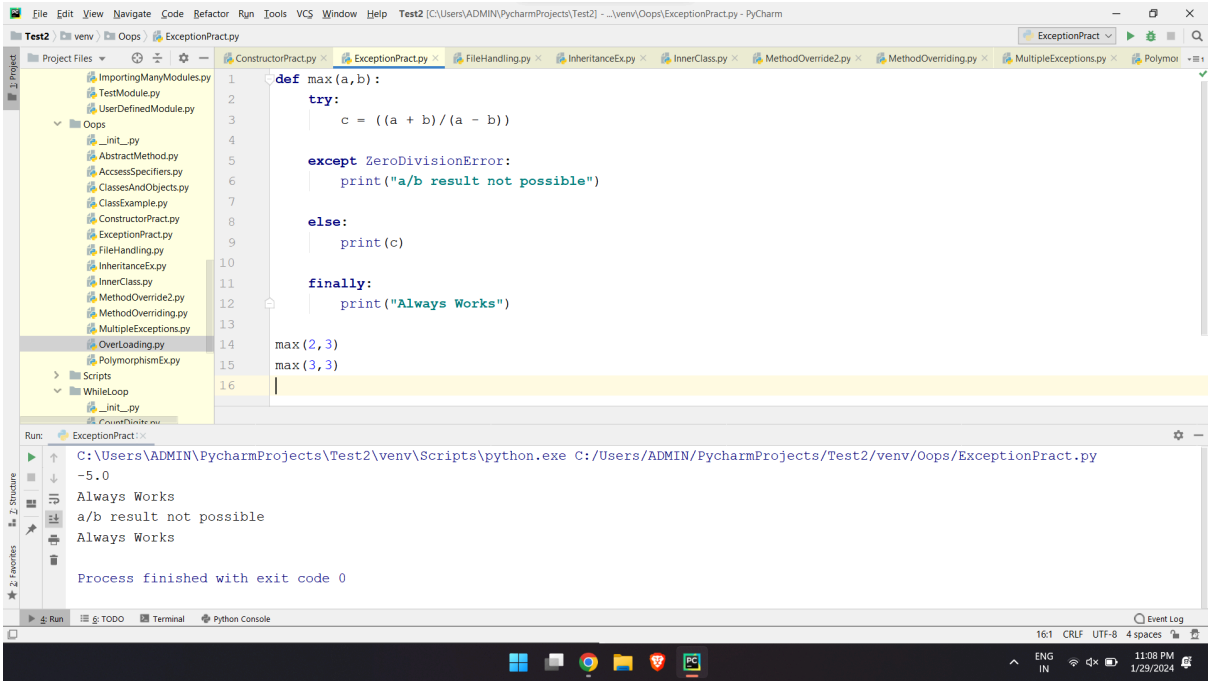


OOPS :

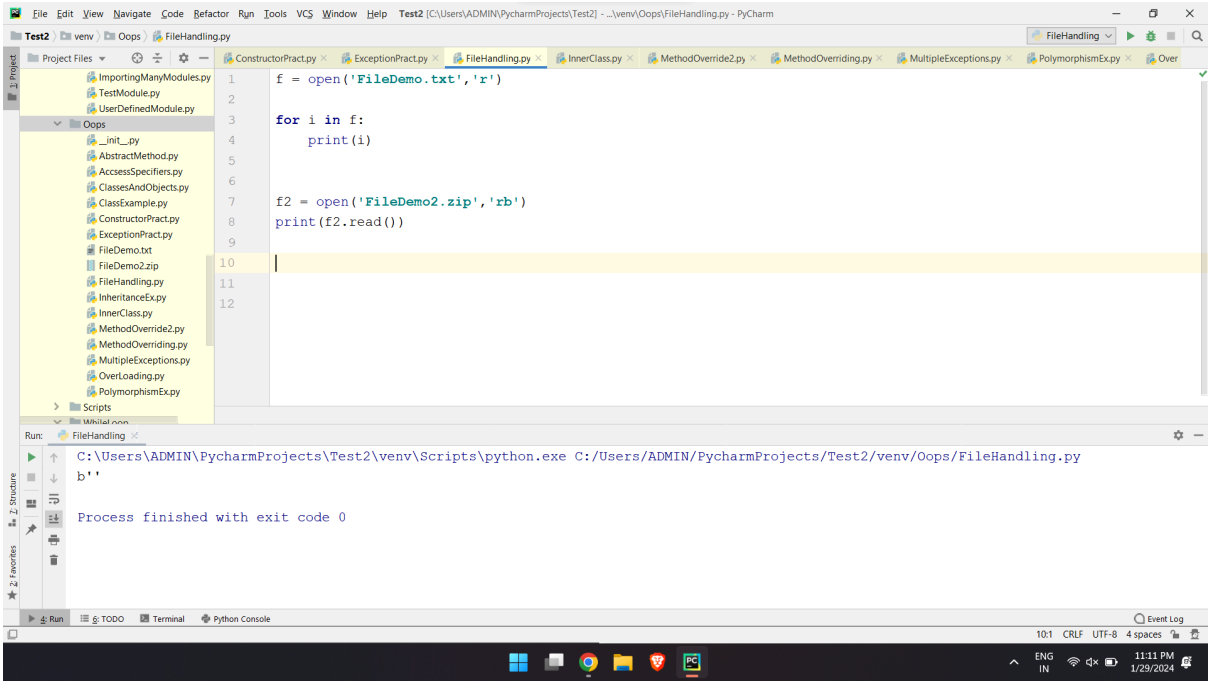
Constructor :



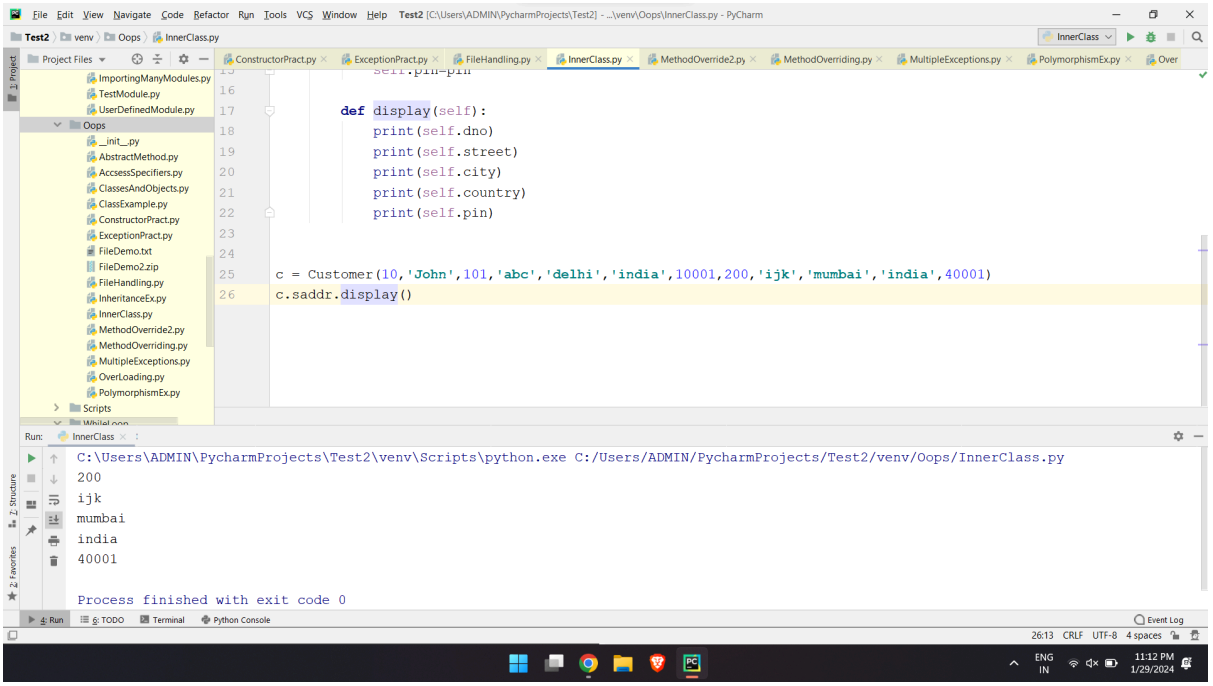
Exception :



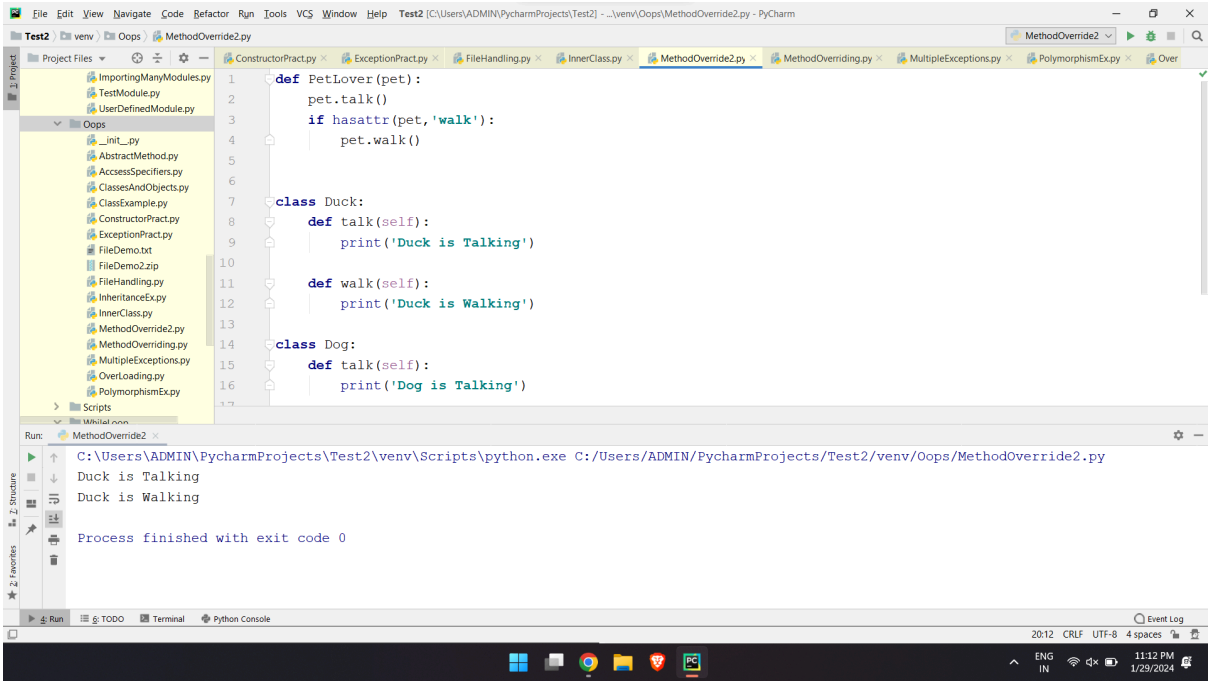
File Handling :



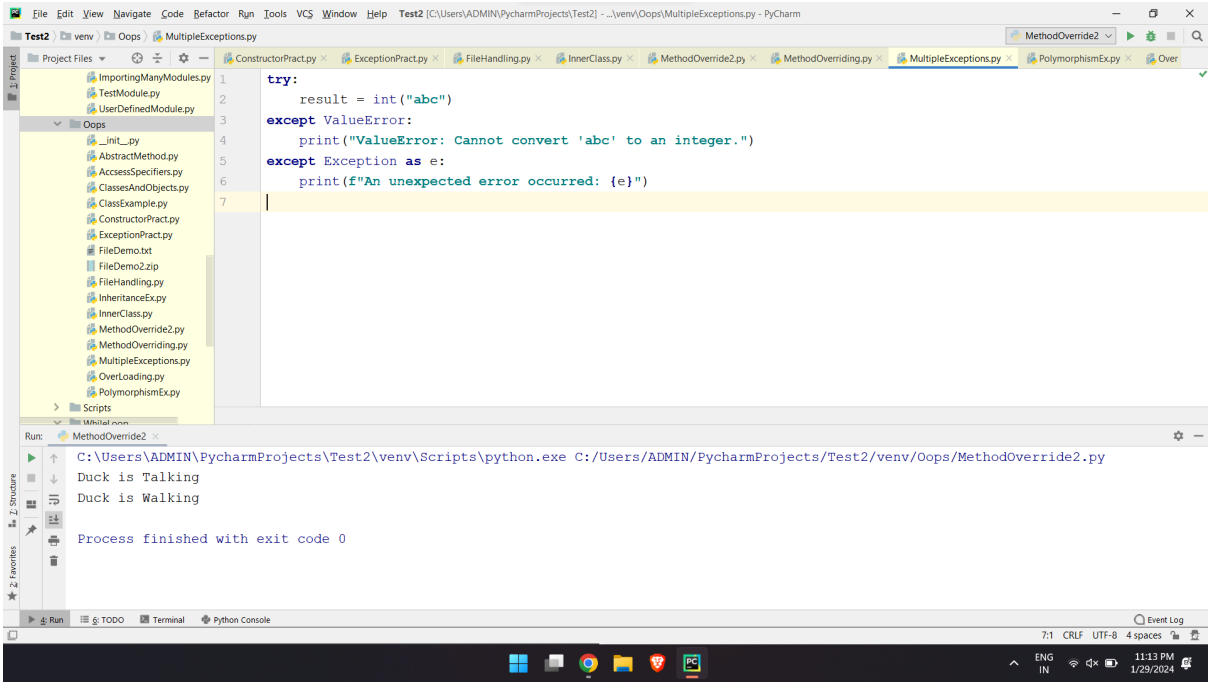
Inner class :



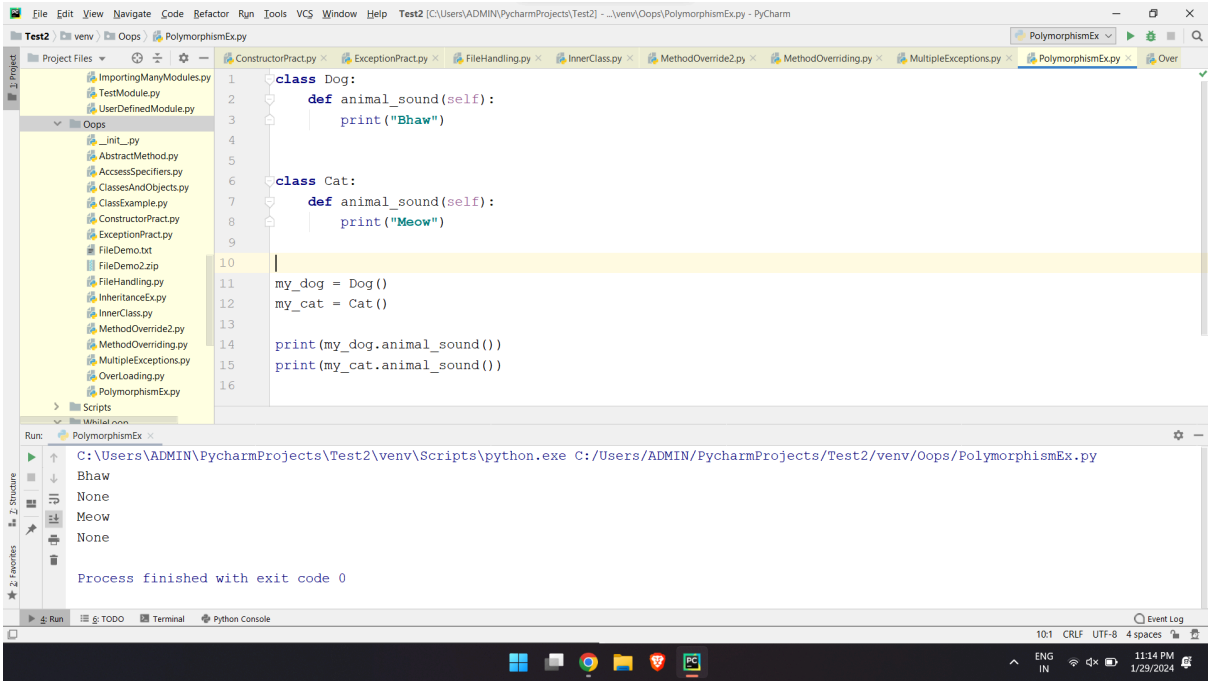
Method Overriding :



Multiple Exceptions :



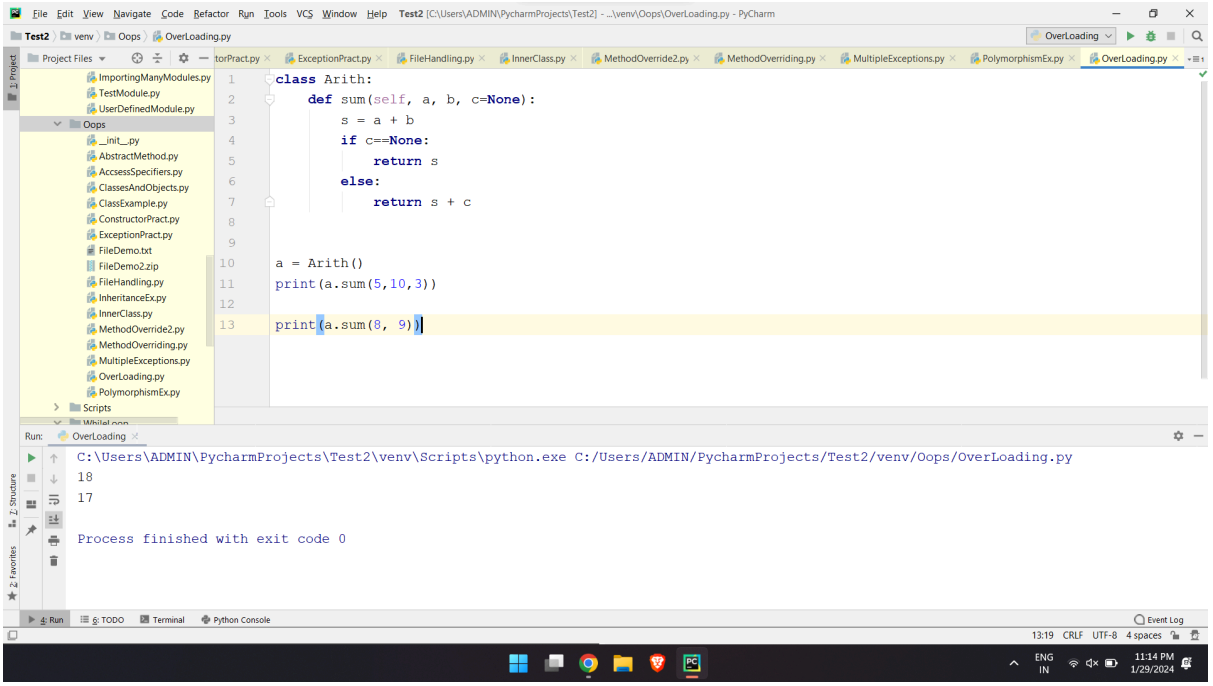
Polymorphism :



```
class Dog:
    def animal_sound(self):
        print("Bhaw")


class Cat:
    def animal_sound(self):
        print("Meow")

my_dog = Dog()
my_cat = Cat()

print(my_dog.animal_sound())
print(my_cat.animal_sound())
```

```
C:\Users\ADMIN\PycharmProjects\Test2\venv\Scripts\python.exe C:/Users/ADMIN/PycharmProjects/Test2/venv/Oops/PolymorphismEx.py
Bhaw
None
Meow
None

Process finished with exit code 0
```

OverLoading :



```
class Arith:
    def sum(self, a, b, c=None):
        s = a + b
        if c==None:
            return s
        else:
            return s + c


a = Arith()
print(a.sum(5,10,3))

print(a.sum(8, 9))
```

```
C:\Users\ADMIN\PycharmProjects\Test2\venv\Scripts\python.exe C:/Users/ADMIN/PycharmProjects/Test2/venv/Oops/OverLoading.py
18
17

Process finished with exit code 0
```