# Python\_Day4\_Assessment

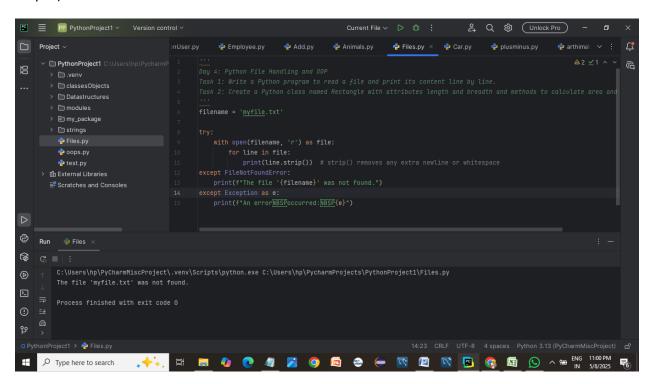
- Day 4: Python File Handling and OOP
- Task 1: Write a Python program to read a file and print its content line by line.
- Task 2: Create a Python class named Rectangle with attributes length and breadth and methods to calculate area and perimeter.

#### Task1:

```
filename = 'myfile.txt'

try:
    with open(filename, 'r') as file:
        for line in file:
            print(line.strip()) # strip() removes any extra newline or
whitespace
except FileNotFoundError:
    print(f"The file '{filename}' was not found.")
except Exception as e:
    print(f"An error occurred: {e}")
```

#### output)



### Task2)

```
class rectangle:
    def __init__(self,length,bredth):
        self.length=length
        self.bredth=bredth

    def area(self):
        return self.length*self.bredth
    def perimeter(self):
        return 2*(self.length+self.bredth)

rect1=rectangle(10,12)
print("Area of rectangle is "+str(rect1.area()))
print("Perimeter of rectangle is "+str(rect1.perimeter()))
```

## Output)

