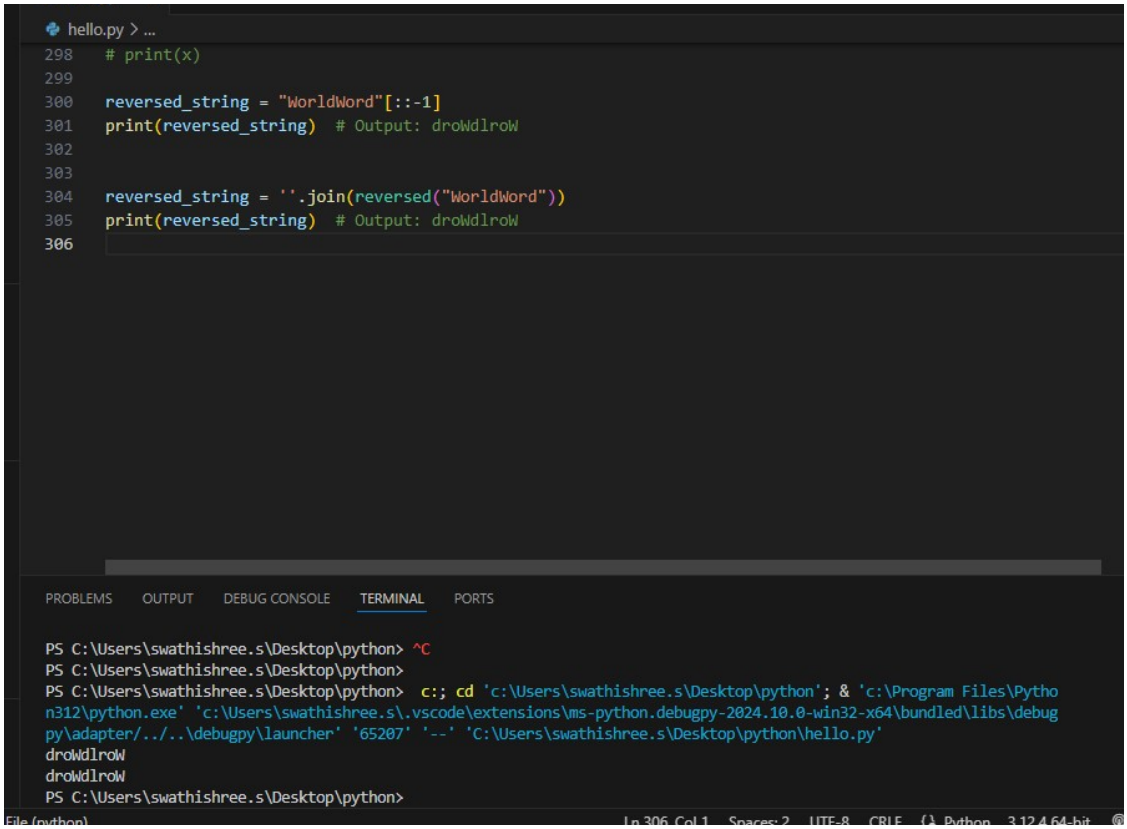
12-08-2024 **DAILY TASK**

1. Reverse a string “WorldWord”. Hint: :: or join

CODE:

```
reversed_string = "WorldWord"[::-1]
print(reversed_string)  # Output: droWdlroW

reversed_string = ''.join(reversed("WorldWord"))
print(reversed_string)  # Output: droWdlroW
```

OUTPUT:

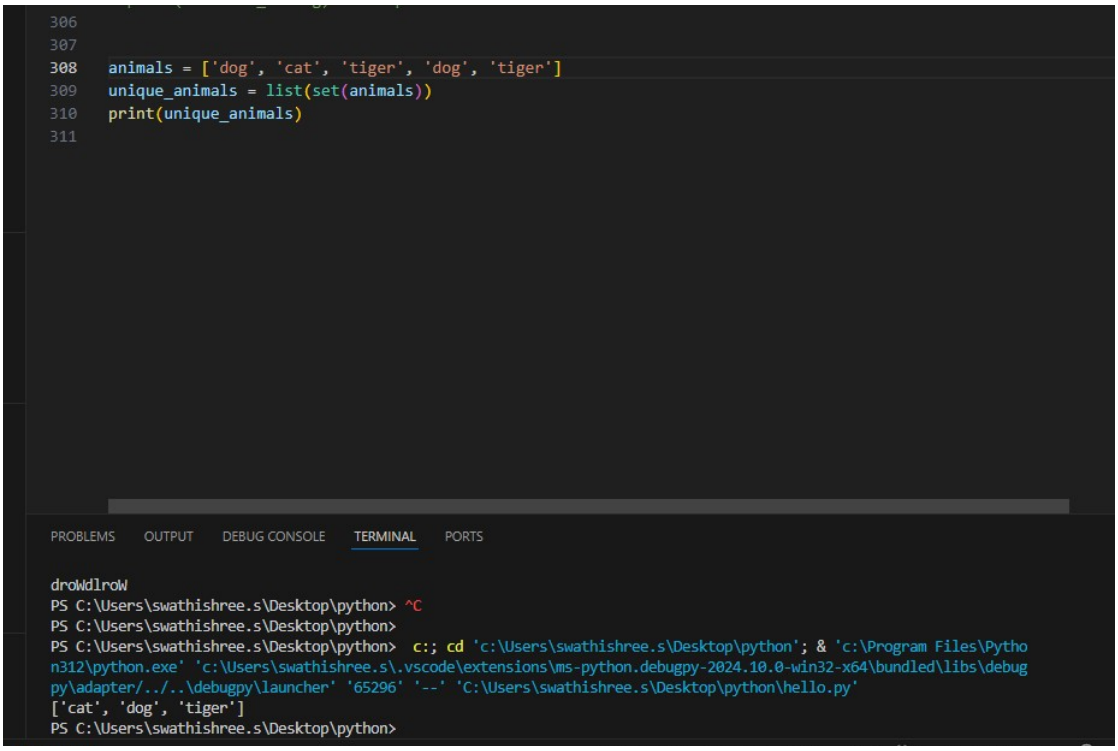


2. Remove duplicates in [’dog’,’cat’,’tiger’,’dog’, ‘tiger’] Hint: use set

CODE:

```
animals = ['dog', 'cat', 'tiger', 'dog', 'tiger']
unique_animals = list(set(animals))
print(unique_animals)
```

OUTPUT:

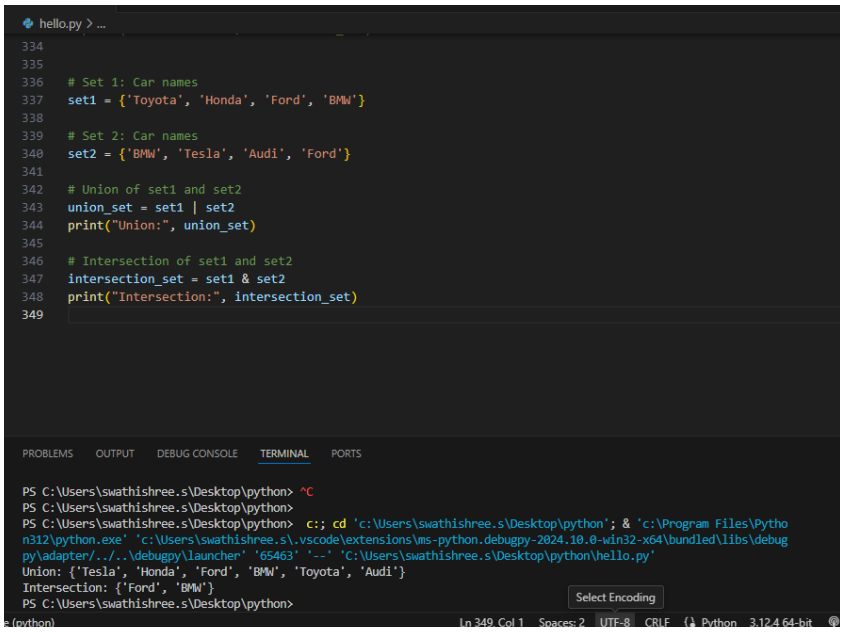


3. Perform union and intersection using Set

CODE:

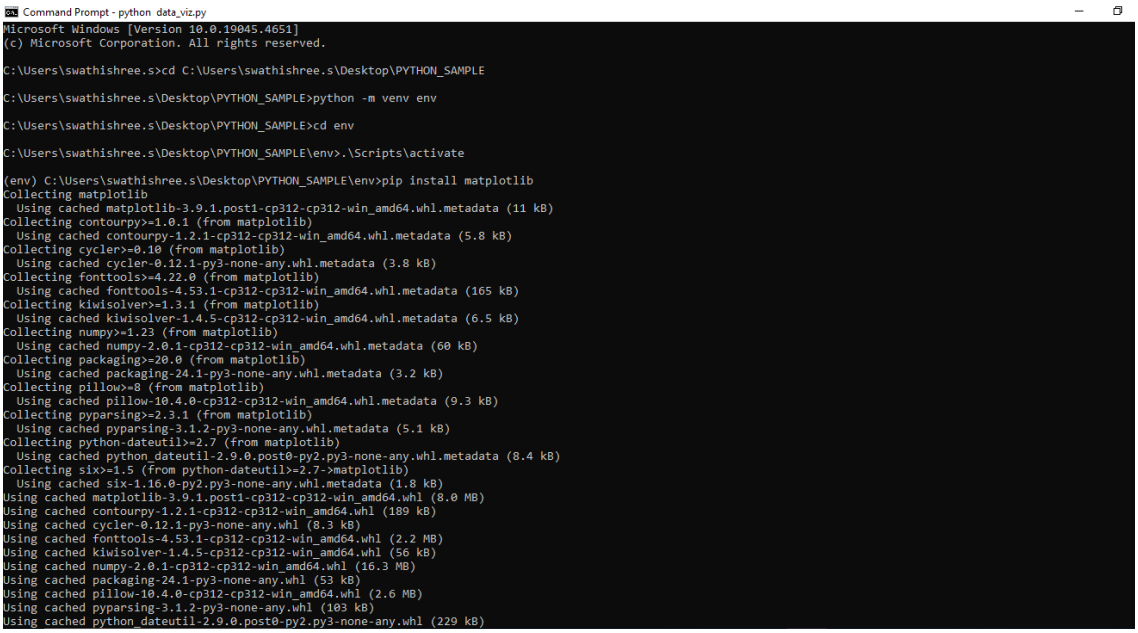
```
set1 = {'Toyota', 'Honda', 'Ford', 'BMW'}

set2 = {'BMW', 'Tesla', 'Audi', 'Ford'}

union_set = set1 | set2
print("Union:", union_set)

intersection_set = set1 & set2
print("Intersection:", intersection_set)
```

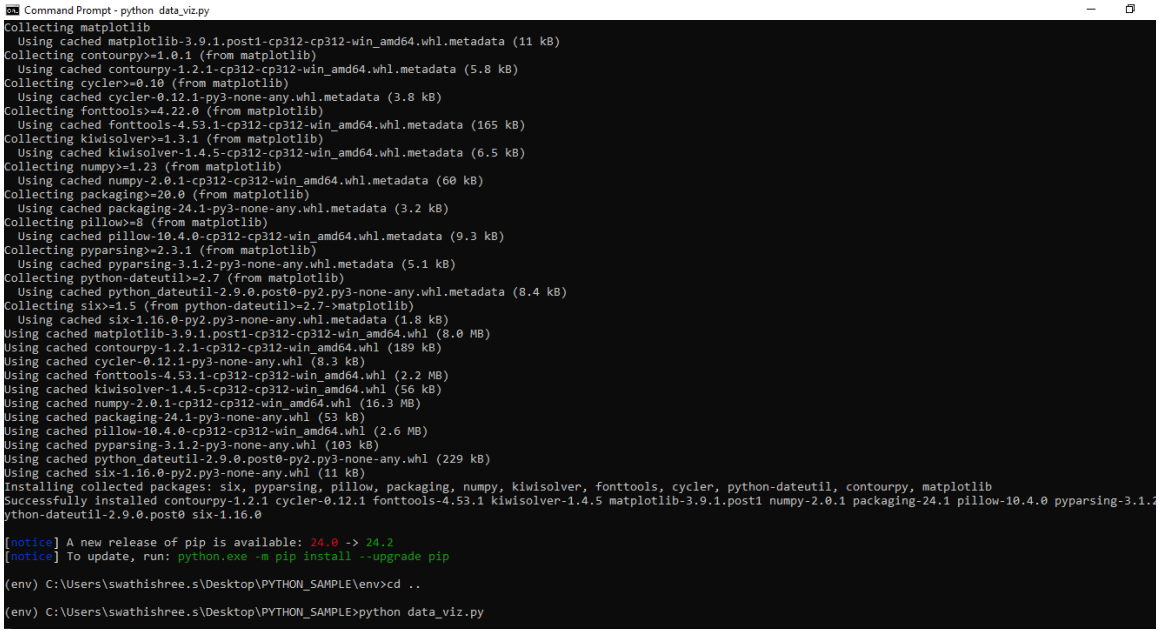
OUTPUT:

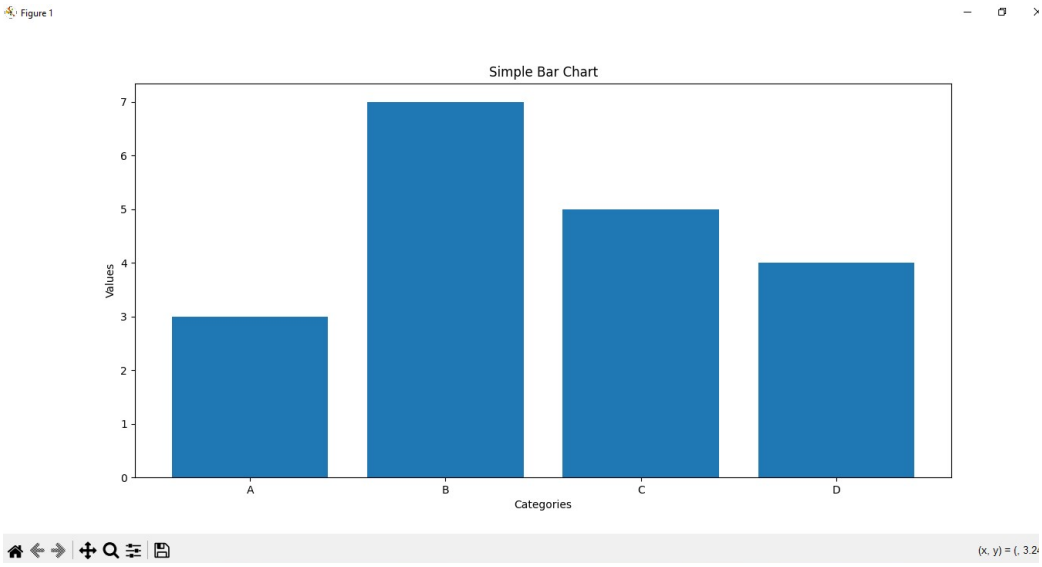


4. Create virtual environment and show installation of package matplotlib and import of modules for visualization.

ANSWER:



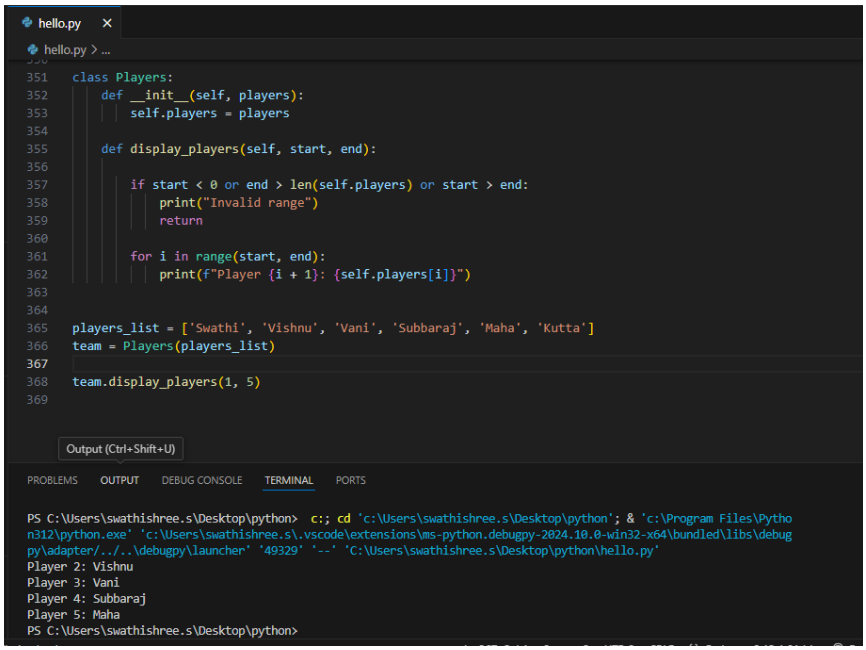




5. Create a range to display players list within Players class

```
class Players:
    def __init__(self, players):
        self.players = players

    def display_players(self, start, end):

        if start < 0 or end > len(self.players) or start > end:
            print("Invalid range")
            return


        for i in range(start, end):
            print(f"Player {i + 1}: {self.players[i]}")

players_list = ['Swathi', 'Vishnu', 'Vani', 'Subbaraj', 'Maha', 'Kutta']
team = Players(players_list)


team.display_players(1, 5)
```

OUTPUT:


hello.py
hello.py > ...
class Players:
def __init__(self, players):
self.players = players
def display_players(self, start, end):
if start < 0 or end > len(self.players) or start > end:
print("Invalid range")
return
for i in range(start, end):
print(f"Player {i + 1}: {self.players[i]}")
players_list = ['Swathi', 'Vishnu', 'Vani', 'Subbaraj', 'Maha', 'Kutta']
team = Players(players_list)
team.display_players(1, 5)
Output (Ctrl+Shift+U)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\swathishree.s\Desktop\python> c:; cd 'c:\Users\swathishree.s\Desktop\python'; & 'c:\Program Files\Python312\python.exe' 'c:\Users\swathishree.s\.vscode\extensions\ms-python.debugpy-2024.10.0-win32-x64\bundled\libs\debugpy\adapter/../..\debugpy\launcher' '49329' '--' 'C:\Users\swathishree.s\Desktop\python\hello.py'
Player 2: Vishnu
Player 3: Vani
Player 4: Subbaraj
Player 5: Maha
PS C:\Users\swathishree.s\Desktop\python>