Task_1_Basketball_players

```python
names = input("Enter some names with spaces: ").split()

shortestName = min(names, key=len)

longestName = max(names, key=len)


print("shortestName :-", shortestName)

print("longestName :-", longestName)
```



```python
footballPlayers = ["Eve", "Tom", "Richard", "Peter"]
volleyballPlayers = ["Jack", "Hugh", "Peter", "Sam"]
basketballPlayers = ["Eve", "Richard", "Jessica", "Sam", "Michael"]

basketballPlayersSet = set(basketballPlayers).difference(set(footballPlayers).union(set(volleyballPlayers)))

print(basketballPlayersSet)
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\Rajesh\Python> & C:/Users/vpnav/AppData/Local/Programs/Python/Python312/python.exe "d:/Rajesh/Python/Wipro/Assignment 6/task1.py"

{'Michael', 'Jessica'}
PS D:\Rajesh\Python>
```

Task_2_Calculate_Scores

scores = [('Mike', 10), ('Mike', 8), ('Mike', 6), ('John', 7), ('John', 8), ('John', 5), ('John', 8), ('Tom', 8), ('Tom', 9)]

total_dict_scores = {}

for i in scores:

   name,score = i

   if(name in total_dict_scores):
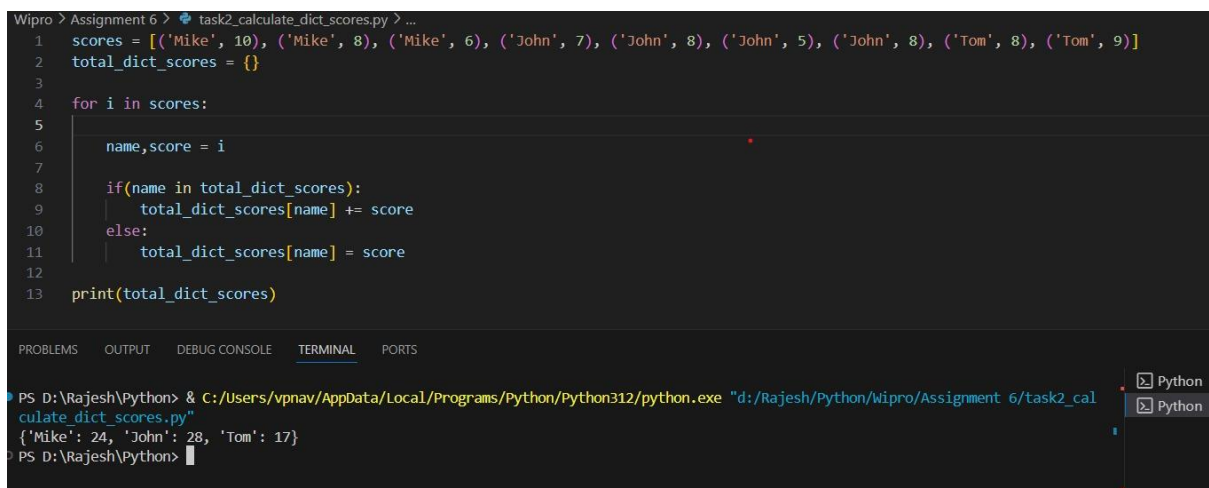
     total_dict_scores[name] += score

   else:

     total_dict_scores[name] = score

print(total_dict_scores)


```
Wipro > Assignment 6 > task2_calculate_dict_scores.py > ...
    1    scores = [('Mike', 10), ('Mike', 8), ('Mike', 6), ('John', 7), ('John', 8), ('John', 5), ('John', 8), ('Tom', 8), ('Tom', 9)]
    2    total_dict_scores = {}
    3
    4    for i in scores:
    5
    6        name,score = i
    7
    8        if(name in total_dict_scores):
    9            total_dict_scores[name] += score
   10        else:
   11            total_dict_scores[name] = score
   12
   13    print(total_dict_scores)

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS D:\Rajesh\Python> & C:/Users/vpnav/AppData/Local/Programs/Python/Python312/python.exe "d:/Rajesh/Python/Wipro/Assignment 6/task2_cal
culate_dict_scores.py"
{'Mike': 24, 'John': 28, 'Tom': 17}
PS D:\Rajesh\Python>
```
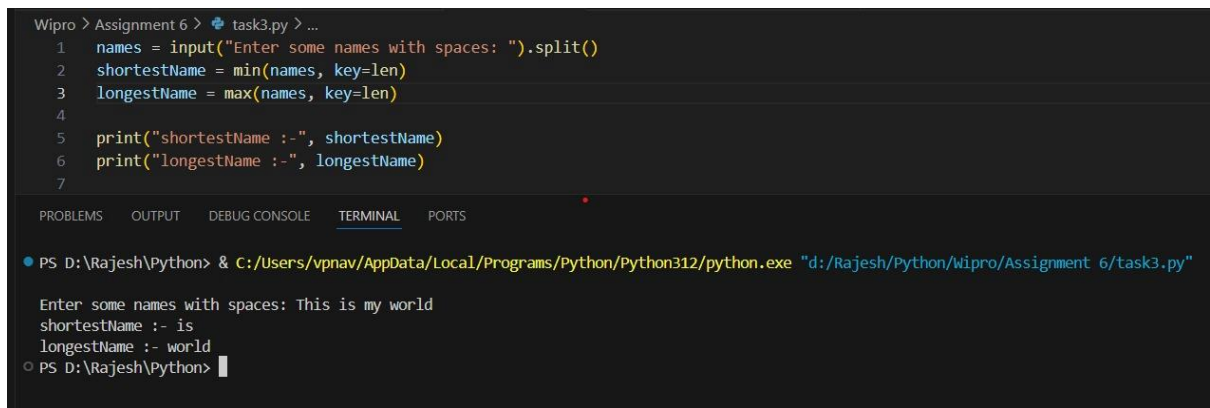
Task_3_Smallest_Largest_name

names = input("Enter some names with spaces: ").split()

shortestName = min(names, key=len)

longestName = max(names, key=len)

print("shortestName :-", shortestName)

print("longestName :-", longestName)

```
Wipro > Assignment 6 > task3.py > ...
  1   names = input("Enter some names with spaces: ").split()
  2   shortestName = min(names, key=len)
  3   longestName = max(names, key=len)
  4
  5   print("shortestName :-", shortestName)
  6   print("longestName :-", longestName)
  7
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS D:\Rajesh\Python> & C:/Users/vpnav/AppData/Local/Programs/Python/Python312/python.exe "d:/Rajesh/Python/Wipro/Assignment 6/task3.py"

Enter some names with spaces: This is my world
shortestName :- is
longestName :- world
PS D:\Rajesh\Python>