

Task_1_Basketball_players

```
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 > task1.py > ...

```
1  footballPlayers = ["Eve", "Tom", "Richard", "Peter"]
2  volleyballPlayers = ["Jack", "Hugh", "Peter", "Sam"]
3  basketballPlayers = ["Eve", "Richard", "Jessica", "Sam", "Michael"]
4
5  basketballPlayersSet = set(basketballPlayers).difference(set(footballPlayers).union(set(volleyballPlayers)))
6
7  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
```

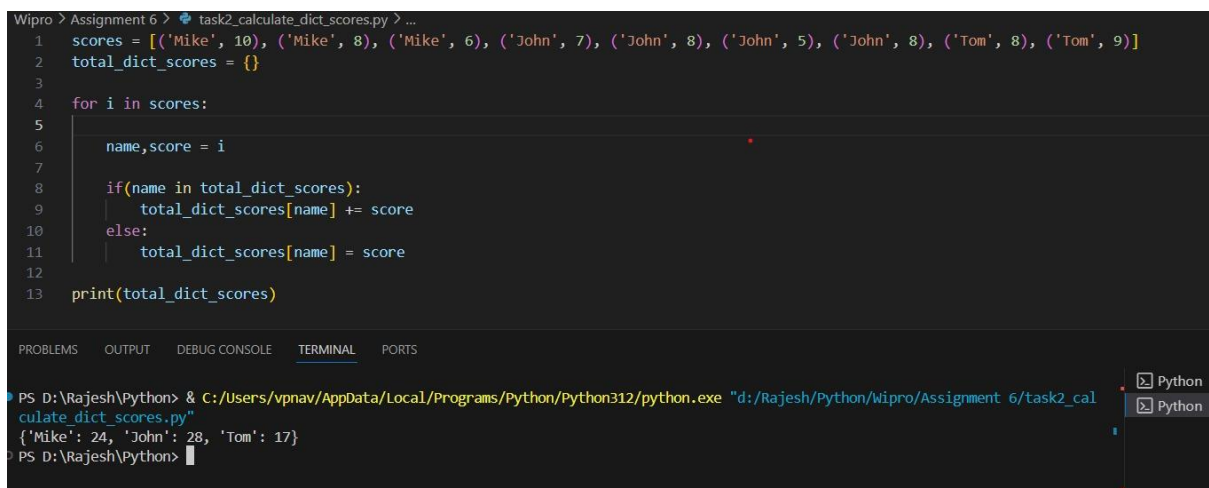
```
    if(name in total_dict_scores):
```

```
        total_dict_scores[name] += score
```

```
    else:
```

```
        total_dict_scores[name] = score
```

```
print(total_dict_scores)
```



The screenshot shows a Python IDE with a dark theme. The editor window displays the following code:

```
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)
```

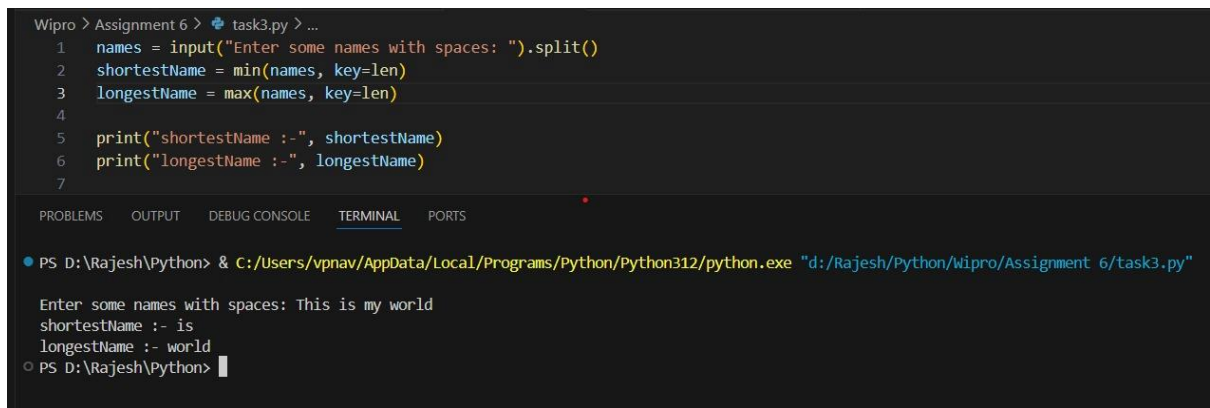
Below the editor, the TERMINAL tab is active, showing the command prompt output:

```
PS D:\Rajesh\Python> & C:/Users/vpnav/AppData/Local/Programs/Python/Python312/python.exe "d:/Rajesh/Python/wipro/Assignment 6/task2_calculate_dict_scores.py"
{'Mike': 24, 'John': 28, 'Tom': 17}
PS D:\Rajesh\Python>
```

On the right side of the terminal, there are two tabs labeled "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)
```



The screenshot shows a Python IDE with a file named 'task3.py' open. The code in the editor is as follows:

```
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
```

The IDE's interface includes tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and PORTS. The TERMINAL tab is active, showing the command prompt output:

```
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>
```