2.1 Task 1: Extract Players

```python
football_players = ["Eve", "Tom", "Richard", "Peter"]
volleyball_players = ["Jack", "Hugh", "Peter", "Sam"]
basketball_players = ["Eve", "Richard", "Jessica ", "Sam", "Michael"]

basketball_only_players = basketball_players - (football_players |
volleyball_players)

print("Basketball-only players:", basketball_only_players)
```

OUTPUT :

```
Basketball-only players: Jessica, Michael
```

2.2 Task 2: Calculate Scores

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

total_scores = {}
for player, score in scores:
    if player in total_scores:
        total_scores[player] += score
    else:
        total_scores[player] = score

print("Total Scores:", total_scores)
```

OUTPUT :

Total Scores: {'Mike': 24, 'John': 20, 'Tom': 25}

2.3 TASK3: LONGEST AND SHORTEST WORDS

```python
text = input("Enter some text: ")
string = text
word = "";
words = [];
string = string + " ";

for i in range(0, len(string)):
    if(string[i] != ' '):
        word = word + string[i];
    else:
        words.append(word);
        word = "";
small = large = words[0];
for k in range(0, len(words)):
    if(len(small) > len(words[k])):
        small = words[k];
    if(len(large) < len(words[k])):
        large = words[k];
print("Smallest word: " + small);
print("Largest word: " + large);
```

OUTPUT :

Enter some text: i am not happy
Smallest word: i
Largest word: happy