



A5.10_HW_1

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Exercise 1

Here's a table with the scores of 4 matches played by each batsman at famous stadiums in India:

Name	Eden Gardens	Wankhede Stadium	Feroz Shah Kotla	Chepauk
Virat	72	88	45	74
Rohit	64	41	68	34
Shikhar	54	38	72	44
Rishabh	22	27	34	51

1.1 Convert the table given into an array of objects.

Print the scores to the console in the following format using for loops.

```
Cricketer: Virat
Eden Gardens: 72
Wankhede Stadium: 88
Feroz Shah Kotla: 45
Chepauk: 74
```

```
Cricketer: Rohit
Eden Gardens: 64
Wankhede Stadium: 41
Feroz Shah Kotla: 68
Chepauk: 34
```

```
Cricketer: Shikhar
Eden Gardens: 54
Wankhede Stadium: 38
Feroz Shah Kotla: 72
Chepauk: 44
```

```
Cricketer: Rishabh
Eden Gardens: 22
Wankhede Stadium: 27
```

```
Feroz Shah Kotla: 34  
Chepauk: 51
```

1.2 Use for-loops to add the scores of Chinnaswamy Stadium for all cricketers. Here are the scores given in an array.

```
const chinnaswamyStadiumScores = [54, 82, 49, 45]
```

Print the `cricketerScores` to the console.

Exercise 2

Scores for KL Rahul also came in.

Name	Eden Gardens	Wankhede Stadium	Feroz Shah Kotla	Chepauk	Chinnaswamy Stadium
KL Rahul	34	56	42	31	68

2.1 Convert this table to an object first and print it.

2.2 Add KL Rahul's data to our `cricketerScores` and print the whole array of objects once.

2.3 Add a field `totalScore` to every object in the array. Calculate the total score for each cricketer and update the field with it. Then print the updated array.

2.4 Using the total score field, now calculate the average score of the cricketer. Add this field `avgScore` to each object in the array. Print the updated array.

Exercise 3

Create score cards for each cricketer. Calculate performance for every cricketer based on following condition:

"Good" for more than or equal to 80 as an average score,

"Above Average" for average score between 60 and 79,

"Average" for average score between 45 and 59 and

"Bad" for average score below 45.

Use the following template to print score card for every cricketer to the console:

===== Score Card for <name> =====

Eden Gardens:

Wankhede Stadium:

Feroz Shah Kotla:

Chepauk:

Chinnaswamy Stadium:

Total:

Average:

Performance:

----- ----- -----

```
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>_ Console ✎ Shell ✎ +  
  
A5.10_HW_1  
---- ---- ----  
Exercise 1  
---- ---- ----  
1.1  
Cricketter: Virat  
Eden Gardens: 72  
Wankhede Stadium: 88  
Feroz Shah Kotla: 45  
Chepauk: 74  
  
Cricketter: Rohit  
Eden Gardens: 64  
Wankhede Stadium: 41  
Feroz Shah Kotla: 68  
Chepauk: 34  
  
Cricketter: Shikhar  
Eden Gardens: 54  
Wankhede Stadium: 38  
Feroz Shah Kotla: 72  
> Chepauk: 44  
  
Cricketter: Rishabh  
Eden Gardens: 22  
Wankhede Stadium: 27  
Feroz Shah Kotla: 34  
Chepauk: 51
```

```
-----  
1.2  
{  
    name: 'Virat',  
    edenGardens: 72,  
    wankhedeStadium: 88,  
    ferozShahKotla: 45,  
    chepauk: 74,  
    chinnaswamyStadium: 54  
}  
{  
    name: 'Rohit',  
    edenGardens: 64,  
    wankhedeStadium: 41,  
    ferozShahKotla: 68,  
    chepauk: 34,  
    chinnaswamyStadium: 82  
}  
{  
    name: 'Shikhar',  
    edenGardens: 54,  
    wankhedeStadium: 38,  
    ferozShahKotla: 72,  
    chepauk: 44,  
    chinnaswamyStadium: 49  
}  
{  
    name: 'Rishabh',  
    edenGardens: 22,  
    wankhedeStadium: 27,  
    ferozShahKotla: 34,  
    chepauk: 51,  
    chinnaswamyStadium: 45  
}
```

Exercise 2

2.1

```
KL Rahul's Data {  
    name: 'KL Rahul',  
    edenGardens: 34,  
    wankhedeStadium: 56,  
    ferozShahKotla: 42,  
    chepauk: 31,  
    chinnaswamyStadium: 68  
}
```

```
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---- ---- ----  
2.2  
Updated Data: [  
  {  
    name: 'Virat',  
    edenGardens: 72,  
    wankhedeStadium: 88,  
    ferozShahKotla: 45,  
    chepauk: 74,  
    chinnaswamyStadium: 54  
  },  
  {  
    name: 'Rohit',  
    edenGardens: 64,  
    wankhedeStadium: 41,  
    ferozShahKotla: 68,  
    chepauk: 34,  
    chinnaswamyStadium: 82  
  },  
  {  
    name: 'Shikhar',  
    edenGardens: 54,  
    wankhedeStadium: 38,  
    ferozShahKotla: 72,  
    chepauk: 44,  
    chinnaswamyStadium: 49  
  },  
  {  
    name: 'Rishabh',  
    edenGardens: 22,  
    wankhedeStadium: 27,  
    ferozShahKotla: 34,  
    chepauk: 51,  
    chinnaswamyStadium: 45  
  },  
  {  
    name: 'KL Rahul',  
    edenGardens: 34,  
    wankhedeStadium: 56,  
    ferozShahKotla: 42,  
    chepauk: 31,  
    chinnaswamyStadium: 68  
  }  
]
```

```
>_ Console ✘ x ⚒ Shell ✘ +  
---- ---- ----  
2.3  
Array with total scores: [  
  {  
    name: 'Virat',  
    edenGardens: 72,  
    wankhedeStadium: 88,  
    ferozShahKotla: 45,  
    chepauk: 74,  
    chinnaswamyStadium: 54,  
    totalScores: 333  
  },  
  {  
    name: 'Rohit',  
    edenGardens: 64,  
    wankhedeStadium: 41,  
    ferozShahKotla: 68,  
    chepauk: 34,  
    chinnaswamyStadium: 82,  
    totalScores: 289  
  },  
  {  
    name: 'Shikhar',  
    edenGardens: 54,  
    wankhedeStadium: 38,  
    ferozShahKotla: 72,  
    chepauk: 44,  
    chinnaswamyStadium: 49,  
    totalScores: 257  
  },  
  {  
    name: 'Rishabh',  
    edenGardens: 22,  
    wankhedeStadium: 27,  
    ferozShahKotla: 34,  
    chepauk: 51,  
    chinnaswamyStadium: 45,  
    totalScores: 179  
  },  
  {  
    name: 'KL Rahul',  
    edenGardens: 34,  
    wankhedeStadium: 56,  
    ferozShahKotla: 42,  
    chepauk: 31,  
    chinnaswamyStadium: 68,  
    totalScores: 231  
  }  
]
```

```
---- ---- ----
2.4
Cricketer Data: [
  {
    name: 'Virat',
    edenGardens: 72,
    wankhedeStadium: 88,
    ferozShahKotla: 45,
    chepauk: 74,
    chinnaswamyStadium: 54,
    totalScores: 333,
    avgScores: 66.6
  },
  {
    name: 'Rohit',
    edenGardens: 64,
    wankhedeStadium: 41,
    ferozShahKotla: 68,
    chepauk: 34,
    chinnaswamyStadium: 82,
    totalScores: 289,
    avgScores: 57.8
  },
  {
    name: 'Shikhar',
    edenGardens: 54,
    wankhedeStadium: 38,
    ferozShahKotla: 72,
    chepauk: 44,
    chinnaswamyStadium: 49,
    totalScores: 257,
    avgScores: 51.4
  },
  {
    name: 'Rishabh',
    edenGardens: 22,
    wankhedeStadium: 27,
    ferozShahKotla: 34,
    chepauk: 51,
    chinnaswamyStadium: 45,
    totalScores: 179,
    avgScores: 35.8
  },
  {
    name: 'KL Rahul',
    edenGardens: 34,
    wankhedeStadium: 56,
    ferozShahKotla: 42,
    chepauk: 31,
    chinnaswamyStadium: 68,
    totalScores: 231,
    avgScores: 46.2
  }
]
```

```
>_ Console ✘ x ⚒ Shell ✘ +  
----  
Exercise 3  
----  
===== Score Card for Virat =====  
Eden Gardens: 72  
Wankhede Stadium: 88  
Feroz Shah Kotla: 45  
Chepauk: 74  
Chinnaswamy Stadium: 54  
----  
Total: 333  
Average: 66.6  
Performance: Above Average  
----  
----  
===== Score Card for Rohit =====  
Eden Gardens: 64  
Wankhede Stadium: 41  
Feroz Shah Kotla: 68  
Chepauk: 34  
Chinnaswamy Stadium: 82  
----  
Total: 289  
Average: 57.8  
Performance: Average  
----  
----  
===== Score Card for Shikhar =====  
Eden Gardens: 54  
Wankhede Stadium: 38  
Feroz Shah Kotla: 72  
> Chepauk: 44  
Chinnaswamy Stadium: 49  
----  
Total: 257  
Average: 51.4  
Performance: Average  
----  
----  
===== Score Card for Rishabh =====  
Eden Gardens: 22  
Wankhede Stadium: 27  
Feroz Shah Kotla: 34  
Chepauk: 51  
Chinnaswamy Stadium: 45  
----  
Total: 179  
Average: 35.8  
Performance: Bad  
----  
----  
===== Score Card for KL Rahul =====  
Eden Gardens: 34  
Wankhede Stadium: 56  
Feroz Shah Kotla: 42  
Chepauk: 31  
Chinnaswamy Stadium: 68  
----  
Total: 231  
Average: 46.2  
Performance: Average  
----
```