

```
import numpy as np
```

```
a= np.loadtxt("/content/Assignment3.csv",skiprows = 1 ,delimiter=',')  
print(a)  
print(a.dtype)
```

```
a = a.astype(int)  
print(a.dtype)  
print(a)
```

```
print(np.)
```

```
[[1.00000e+00 8.00000e+00 6.45600e+03 2.11000e+02 1.90000e+01]  
 [2.00000e+00 2.10000e+01 6.56600e+03 1.25000e+02 6.00000e+00]  
 [3.00000e+00 7.00000e+00 1.54546e+05 2.48000e+02 1.50000e+01]  
 [4.00000e+00 1.80000e+01 1.51600e+03 2.16000e+02 6.00000e+00]  
 [5.00000e+00 5.00000e+00 1.54300e+03 2.16000e+02 3.00000e+00]  
 [6.00000e+00 3.10000e+01 9.56500e+03 6.40000e+01 9.00000e+00]  
 [7.00000e+00 4.70000e+01 6.46450e+04 1.25000e+02 8.00000e+00]  
 [8.00000e+00 7.00000e+01 6.46310e+04 3.50000e+01 7.00000e+00]  
 [9.00000e+00 2.40000e+01 3.11600e+03 1.60000e+01 4.00000e+00]  
 [1.00000e+01 6.00000e+00 4.66000e+02 3.40000e+01 1.00000e+00]  
 [1.10000e+01 7.40000e+01 6.46700e+03 3.10000e+01 0.00000e+00]  
 [1.20000e+01 1.30000e+01 2.14500e+03 9.80000e+01 6.00000e+00]  
 [1.30000e+01 8.80000e+01 1.64000e+02 1.40000e+02 9.00000e+00]  
 [1.40000e+01 6.10000e+01 6.14000e+02 5.50000e+01 5.00000e+00]]
```

```
float64
```

```
int64
```

```
[[ 1      8    6456    211     19]  
 [ 2     21    6566    125      6]  
 [ 3      7 154546    248     15]  
 [ 4     18    1516    216      6]  
 [ 5      5    1543    216      3]  
 [ 6     31    9565     64      9]]
```

Files

Assignment3.csv ×

1 to 10 of 14 entries

Filter



Playerno	Playerid	Runs	Wkts	MOM
1	8	6456	211	19
2	21	6566	125	6
3	7	154546	248	15
4	18	1516	216	6
5	5	1543	216	3
6	31	9565	64	9
7	47	64645	125	8
8	70	64631	35	7
9	24	3116	16	4
10	6	466	34	1

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```
[2]  [ 6  31 9565  64  9]
    [ 7  47 64645 125  8]
    [ 8  70 64631  35  7]
    [ 9  24  3116  16  4]
    [10   6   466  34  1]
    [11  74  6467  31  0]
    [12  13  2145  98  6]
    [13  88  164  140  9]
    [14  61  614  55  5]]
```

```
[3] #size of cs file in rows & column
    print(np.shape(a))
```

```
(14, 5)
```

```
[13] #Print Sum of Runs of all Players
      print(sum(a[:,2]))
```

```
322440
```

```
[16] #Print average runs of all as comparing to players
      print(sum(a[:,2])/10)
```

```
32244.0
```

```
#Print Max Runs
print(max(a[:,2]))
```

```
154546
```

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10	6	466	34	1

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```
✓ [19] #Print Minimum Runs
```

```
print(min(a[:,2]))
```

164

```
✓ [24] #Print Playerid whose Runs is Maximum
```

```
index = np.argmax(a[:,2])  
print("Playerid", a[index][1])
```

Playerid 7

```
✓ [25] #Print Playerid whose Wickets are Minimum
```

```
index = np.argmin(a[:,3])  
print("Playerid", a[index][1])
```

Playerid 24

```
✓ [30] #Print Runs in ascending
```

```
print(np.sort(a[:,2]))
```

```
[ 164  466  614 1516 1543 2145 3116 6456 6467 6566  
 9565 64631 64645 154546]
```

```
✓ [31] #Print Playerid whose Wkts are more than 100
```

```
b=np.where(a[:,3]>=100)  
print("Playerid of player whose wkts more tha n 100",b)  
for i in range(len(b)):  
    print("Playerid:",a[b[i],1])
```

```
Playerid of player whose wkts more tha n 100 (array([ 0,  1,  2,  3,  4,  6, 12]),)  
Playerid: [ 8 21  7 18  5 47 88]
```

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Assignment3.csv ×

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10	6	466	34	1

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✓
0s

```
[30] #Print Runs in ascending
print(np.sort(a[:,2]))
```

```
[ 164  466  614 1516 1543 2145 3116 6456 6467 6566
 9565 64631 64645 154546]
```

✓
0s

```
[31] #Print Playerid whose Wkts are more than 100
b=np.where(a[:,3]>=100)
print("Playerid of player whose wkts more tha n 100",b)
for i in range(len(b)):
    print("Playerid:",a[b[i],1])
```

```
Playerid of player whose wkts more tha n 100 (array([ 0, 1, 2, 3, 4, 6, 12]),)
Playerid: [ 8 21  7 18  5 47 88]
```



```
#Print Sum of all wkts taken of all Players
print(sum(a[:,3]))
```

1614

Files

Assignment3.csv X

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