ommands + Code + Text | Run all

[ ]

```
import numpy as np
data=np.loadtxt("marks_data.csv", delimiter=",", skiprows=1)
print(data)
```

```
[[ 1. 78.]
 [ 2. 85.]
 [ 3. 90.]
 [ 4. 66.]
 [ 5. 88.]]
```

```
roll=data[:,0]
marks=data[:,1]
print("Roll no", roll)
print("Marks", marks)
```

```
Roll no [1. 2. 3. 4. 5.]
Marks [78. 85. 90. 66. 88.]
```

```
average=np.mean(marks)
print("Average marks", average)
```

```
Average marks 81.4
```

```
grades=np.where(marks>=90,"A",
   np.where(marks>=75,"B",
   np.where(marks>=60,"C","D")))
print("Grades", grades)
```

```
Grades ['B' 'B' 'A' 'C' 'B']
```

```
roll=data[:,0]
marks=data[:,1]
print("Roll Number:",roll)
print("Marks:", marks)
average=np.mean(marks)
print("Average Marks", average)
print("Highest Marks",np.max(marks))
print("Lowest Marks",np.min(marks))
grades=np.where(marks>=90,"A",
np.where(marks>=75,"B",
np.where(marks>=60,"C","D")))
print("Grades",grades)
print("Column-wise sum :",np.sum(data,axis=0))
print("Row-wise sum:",np.sum(data,axis=1))
```

```
Roll Number: [1. 2. 3. 4. 5.]
Marks: [78. 85. 90. 66. 88.]
Average Marks 81.4
Highest Marks 90.0
Lowest Marks 66.0
Grades ['B' 'B' 'A' 'C' 'B']
Column-wise sum : [ 15. 407.]
Row-wise sum: [79. 87. 93. 70. 93.]
```