1) Create 3X2 and 2X3 array.

```
In [5]: arr1=np.array([[1,2],[3,4],[8,6]])
arr2=np.array([[1,5,3],[4,5,11]])
```

2) Initialize the array with random values.

3) Matrix multiplication of above 2 array.

```
In [7]: ans=arr1.dot(arr2)
print(ans)

[[ 0 6 11]
      [ 0 18 25]
      [ 0 10 21]]
```

4) elementwise multiplication.

ML CE066 LAB01 03

5) Find mean of a matrix.

```
In [9]: arr1.mean()
Out[9]: 2.83333333333333
```

6) Convert Numeric entries(columns) of mtcars.csv to Mean Centered Version.