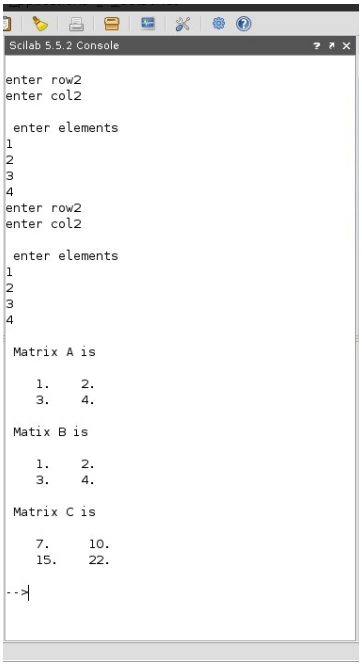

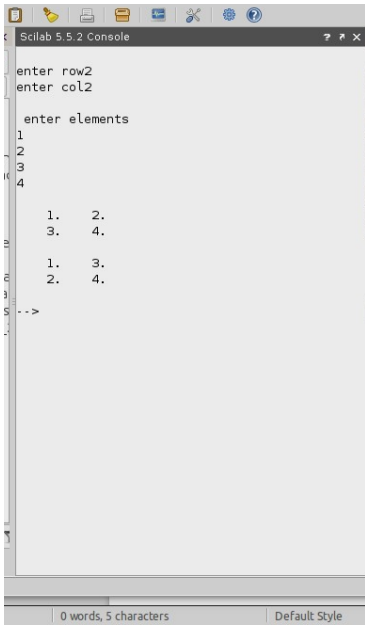

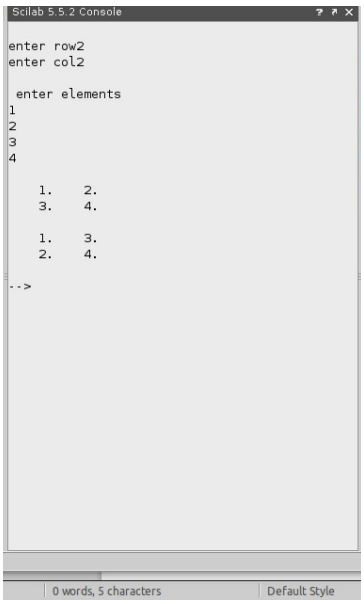

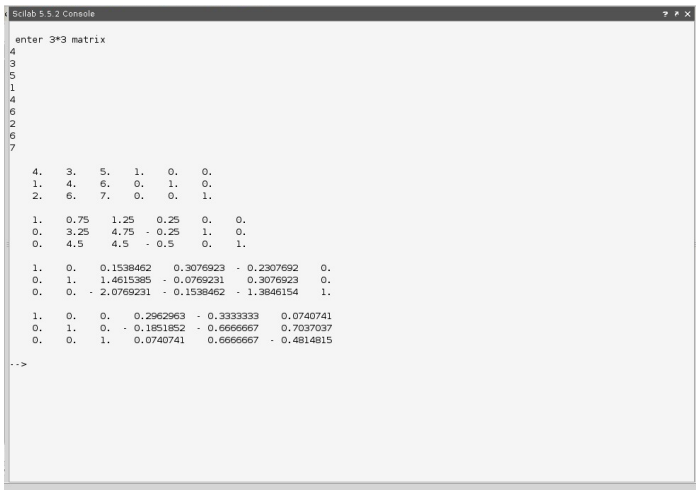


```
Enter the no. of pairs of values (x, f) to find the mean = 4
Enter the no. of moments to be found about mean = 4

 Enter the values of x :
1
2
3
4

 Enter the corresponding frequencies :
4
3
2
1
Average = 2.000000
Moment about mean M(1) = 0.000000
Moment about mean M(2) = 1.000000
Moment about mean M(3) = 0.600000
Moment about mean M(4) = 2.200000
Standard deviation = 1.000000
```

```
-->eigen([1, 3; -2, 6])

The characteristic equation of the matrix A is :
e^2 - 7.000000 e + 12.000000 = 0
 Eigen values of the matrix are :

    3.

    4.

 Eigen vectors of the matrix are :

    3.
    2.

    3.
    3.

-->
```