

## Week 8- Day 4 : Coding Challenge

(Maximum marks -15)

**Q - 1) Write a program to print sum of right diagonal of a matrix: (5 marks)**

Right diagonal is shown below:

1	2	3
4	5	6
7	8	9

1	2	3	4
5	6	7	8
9	10	11	12

1	2
3	4
5	6

**Q - 2) Write a program to print sum of border elements of a square Matrix (5 marks)**

Border elements:

1	2	3	4
4	5	6	5
7	8	9	6
4	9	8	7

Sum of border elements =  $1+2+3+4+5+6+7+8+9+4+7+4 = 60$

**Q - 3) Write a function to return sum of rows of a matrix as a list: (5 marks)**

**Sample Input:**

This matrix :

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

**Sample output**

should return,

10
26
42
58

in the form of a list : [10,26,42,58]