**Q1.** Write a program that generates random numbers and stores them in a 2D array.

The output screen-

```
Enter the size of the matrix: 2,3
65   46   73
5    58   72
```

**Q2.** Write a program to add two matrices.

The output screen-

```
Enter the size of the matrix: 2,2
Enter the first matrix
Enter the element of 0,0- 1
Enter the element of 0,1- 1
Enter the element of 1,0- 2
Enter the element of 1,1- 2
Enter the second matrix
Enter the element of 0,0- 3
Enter the element of 0,1- 3
Enter the element of 1,0- 4
Enter the element of 1,1- 4
4 4
6 6
```

**Q3.** Write a program to transpose a matrix using a function.

The output screen-

```
Enter the size of the matrix - 2,3
Enter the element (0,0) - 1
Enter the element (0,1) - 2
Enter the element (0,2) - 3
Enter the element (1,0) - 4
Enter the element (1,1) - 5
Enter the element (1,2) - 6
The initial matrix was -
1 2 3
4 5 6
The transposed matrix is -
1 4
2 5
3 6
```