C:\Users\POOJA KUMARI\OneDrive\Desktop\computer\test.exe

```
enter the data in 2D array
enter the row of matrix = 4
enter the column of matrix = 5
enter the total number of non zero elements =  4
enter the elments 1 with row,column,and value respectively = 0 1 5
enter the elments 2 with row,column,and value respectively = 1 1 9
enter the elments 3 with row,column,and value respectively = 0 0 4
enter the elments 4 with row,column,and value respectively = 1 3 7

 matrix

 matrix
4       5       0       0       0
0       9       0       7       0
0       0       0       0       0
0       0       0       0       0

 transpose
4       0       0       0
5       9       0       0
0       0       0       0
0       7       0       0
0       0       0       0

--------------------------------
Process exited after 25.78 seconds with return value 0
Press any key to continue . . .
```

E:\blustack\cllg\cllg all subject\sem 3\practical\dsa\codes\29 aug\assign6_29aug.exe

```
enter the data in 2D array
enter the row of matrix3
enter the column of matrix2

 enter number for position [0][0] = 1

 enter number for position [0][1] = 2

 enter number for position [1][0] = 3

 enter number for position [1][1] = 4

 enter number for position [2][0] = 5

 enter number for position [2][1] = 6
1       2
3       4
5       6

--------------------------------
Process exited after 14.41 seconds with return value 0
Press any key to continue . . .
```

E:\blustack\cllg\cllg all subject\sem 3\practical\dsa\codes\29 aug\assign9_29aug.exe

```
Enter the size of matrix        3
enter the total number of non zero elements =  2
enter the elments 1 with row,column,and value respectively = 0 0 5
enter the elments 2 with row,column,and value respectively = 2 1 9

enter the total number of non zero elements =  2
enter the elments 1 with row,column,and value respectively = 0 1 4
enter the elments 2 with row,column,and value respectively = 1 0 7

**************** FIRST MATRIX ****************
        5               0               0
        0               0               0
        0               9               0
**************** SECOND MATRIX ****************
        0               4               0
        7               0               0
        0               0               0
***** MULTIPLICATION OF BOTH MATRIX*****
0       0       0
0       0       0
0       0       0

--------------------------------
Process exited after 30.56 seconds with return value 3
Press any key to continue . . .
```

E:\blustack\cllg\cllg all subject\sem 3\practical\dsa\codes\29 aug\assign7_29aug.exe

```
enter the data in 2D array
enter the row of matrix3
enter the column of matrix4

 enter number for position [0][0] = 0

 enter number for position [0][1] = 1

 enter number for position [0][2] = 2

 enter number for position [0][3] = 0

 enter number for position [1][0] = 0

 enter number for position [1][1] = 4

 enter number for position [1][2] = 2

 enter number for position [1][3] = 30

 enter number for position [2][0] = 0

 enter number for position [2][1] = 0

 enter number for position [2][2] = 8

 enter number for position [2][3] = 0
0       1       2       0
0       4       2       30
0       0       8       0
this is not a sparse matrix
--------------------------------
Process exited after 22.7 seconds with return value 0
Press any key to continue . . .
```