

```
C:\WINDOWS\system32\cmd.exe
Enter the number of rows: 3
Enter the number of columns: 3
Enter the element: 34
Enter the element: 2
Enter the element: 5
Enter the element: 743
Enter the element: 324
Enter the element: 324
Enter the element: 52
Enter the element: 234
Enter the number of rows: 3
Enter the number of columns: 3
Enter the element: 345
Enter the element: 123
Enter the element: 051
Enter the element: 95
Enter the element: 325
Enter the element: 394
Enter the element: 285
Enter the element: 932
Enter the element: 02
[[23.0, 34.0, 2.0], [5.0, 743.0, 324.0], [324.0, 52.0, 234.0]]
[[345.0, 123.0, 5.0], [95.0, 325.0, 394.0], [285.0, 932.0, 2.0]]
[[368.0, 157.0, 7.0], [100.0, 1068.0, 718.0], [609.0, 984.0, 236.0]]
sultant = []
exit(0)
```

Addition of two matrices

```
# transpose of a matrix
def createMatrix():
    matrix = []
    rows = int(input("Enter the number of rows: "))
    columns = int(input("Enter the number of columns: "))

    for row in range(rows):
        temp = []
        for column in range(columns):
            element = float(input("Enter the element: "))
            temp.append(element)
        matrix.append(temp)

    return matrix

def transpose(matrix):
    result = []
    for i in range(len(matrix[0])):
        temp = [0] * len(matrix)
        result.append(temp)

    for i in range(len(matrix)):
        for j in range(len(matrix[0])):
            result[j][i] = matrix[i][j]

    return result

matrix = createMatrix()
print(matrix)
transpose = transpose(matrix)
print(transpose)
```