

Program :-

```
rows = int(input('ENter number of rows: '))
cols = int(input('ENter number of column: '))
M1=[]
M2=[]

print('Enter values for matrix 1')
for i in range(rows):
    r=[]
    for j in range(cols):
        r.append(int(input(f"M1[{i+1}][{j+1}]:")))
    M1.append(r)

print("Matrix 1 :")
for i in M1:
    print(i)

print('Enter values for matrix 2')
for i in range(rows):
    r=[]
    for j in range(cols):
        r.append(int(input(f"M1[{i+1}][{j+1}]:")))
    M2.append(r)

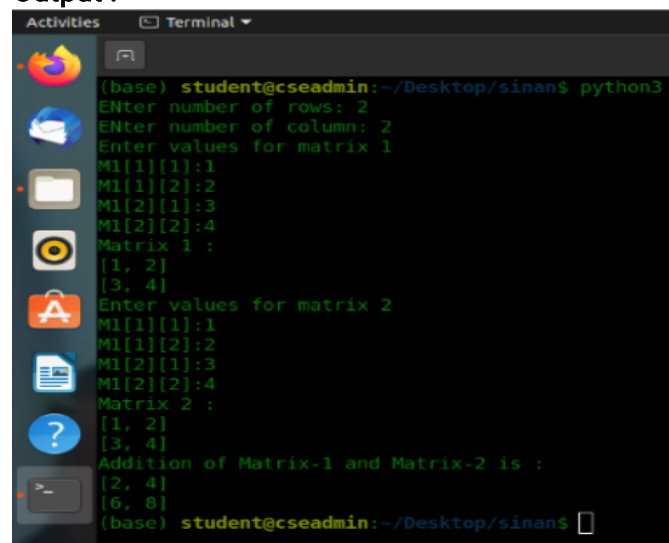
print("Matrix 2 :")
for i in M2:
    print(i)

result = [[0 for i in range(cols)]for j in range(rows)]

for i in range(rows):
    for j in range(cols):
        result[i][j] = M1[i][j] + M2[i][j]

print('Addition of Matrix-1 and Matrix-2 is :')
for i in result:
    print(i)
```

Output :-



```
(base) student@cseadmin:~/Desktop/sinan$ python3 a.py
Enter number of rows: 2
Enter number of column: 2
Enter values for matrix 1
M1[1][1]:1
M1[1][2]:2
M1[2][1]:3
M1[2][2]:4
Matrix 1 :
[1, 2]
[3, 4]
Enter values for matrix 2
M1[1][1]:1
M1[1][2]:2
M1[2][1]:3
M1[2][2]:4
Matrix 2 :
[1, 2]
[3, 4]
Addition of Matrix-1 and Matrix-2 is :
[2, 4]
[6, 8]
(base) student@cseadmin:~/Desktop/sinan$
```