

```

#1

m,n=map(int,input().split())

arr=[]

for i in range(m):

    L=list(map(int,input().split()))

    arr.append(L)

arr1=[]

for i in range(n):

    s=list(map(int,input().split()))

    arr1.append(s)

result=[]

for i in range(m):

    row=[]

    for j in range(n):

        row.append(arr[i][j]+arr1[i][j])

    result.append(row)

print("Sum of the matrices:")

for i in range(m):

    for j in range(n):

        print(result[i][j], end=" ")

    print()

```

```

#2

n=int(input())

arr=[]

for i in range(n):

    l=list(map(int,input().split()))

    arr.append(l)

for i in range(n):

    for j in range(n):

        print(arr[i][j],end=" ")

```

```

    print()
print()
for i in range(n):
    for j in range(n):
        print(arr[j][i],end=" ")
    print()
print()
for i in range(n):
    arr[i].reverse()
print("The reversed matrix:")
for i in range(n):
    for j in range(n):
        print(arr[i][j], end=" ")
    print()

```

#3

```

m,n = map(int, input().split())
matrix = []
for i in range(m):
    row = list(map(int, input().split()))
    matrix.append(row)
max_value = float('-inf')
for i in range(m):
    for j in range(n):
        if matrix[i][j] > max_value:
            max_value = matrix[i][j]
print("Maximum element =", max_value)

```

#4

```

n= int(input())
matrix = []

```

```
for i in range(n):
    row = list(map(int, input().split()))
    matrix.append(row)
is_symmetric = True
for i in range(n):
    for j in range(n):
        if matrix[i][j] != matrix[j][i]:
            is_symmetric = False
            break
    if not is_symmetric:
        break
if is_symmetric:
    print("Symmetric matrix")
else:
    print("Not a symmetric matrix")
```