```
# Addition of two matrices

row = int(input("Enter the number of rows:"))

col = int(input("Enter the number of columns:"))



# Initialize matrix

matrixa = []

matrixb = []

resultmatrix = []

print("Enter the entries row wise:")



# For user input

print("Enter the entries for matrix A :\n")

for i in range(row):  # A for loop for row entries

   a = []

   for j in range(col):  # A for loop for column entries

      a.append(int(input()))

   matrixa.append(a)

print(matrixa)



# For printing first  matrix

print("First matrix :\n")

for i in range(row):

   for j in range(col):

      print(format(matrixa[i][j],"<3"), end=" ")
```

```
    print()



print("Enter entries for matrix B:\n")
for i in range(row):  # A for loop for row entries
    a = []
    for j in range(col):  # A for loop for column entries
        a.append(int(input()))
    matrixb.append(a)



# For printing second  matrix
print("Second matrix is:\n")
for i in range(row):
    for j in range(col):
        print(format(matrixb[i][j],"<3"), end=" ")
    print()



# For matrix addition
for i in range(row):
    a = []
    for j in range(col):
        a.append(matrixa[i][j] + matrixb[i][j])
    resultmatrix.append(a)
```

```
print("Addition of both matrix is:\n")
# For printing the result matrix
for i in range(row):
   for j in range(col):
      print(format(resultmatrix[i][j],"<3"), end=" ")
   print()
```

```
   '''Output:-Addition of two matrix
Enter the number of rows:2
Enter the number of columns:2
Enter the entries row wise:
Enter the entries for matrix A :

1
2
3
4
[[1, 2], [3, 4]]
First matrix :
```

1 2

3 4

Enter entries for matrix B:

5

6

7

8

Second matrix is:

5 6

7 8

Addition of both matrix is:

6 8

10 12

'''