# 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 '''