#include <stdio.h>

int main(){

int r, c, a[100][100], b[100][100], sum[100][100], i, j;

printf("Enter number of rows (between 1 and 100): ");

scanf("%d", &r);

printf("Enter number of columns (between 1 and 100): ");

scanf("%d", &c);

printf("\nEnter elements of 1st matrix:\n");

for(i=0; i<r; ++i)

for(j=0; j<c; ++j)

{

printf("Enter element a%d%d: ",i+1,j+1);

scanf("%d",&a[i][j]);

}

printf("Enter elements of 2nd matrix:\n");

for(i=0; i<r; ++i)

for(j=0; j<c; ++j)

{

printf("Enter element a%d%d: ",i+1, j+1);

scanf("%d", &b[i][j]);

}

// Adding Two matrices

for(i=0;i<r;++i)

for(j=0;j<c;++j)

{

sum[i][j]=a[i][j]+b[i][j];

}

// Displaying the result

printf("\nSum of two matrices: \n");

for(i=0;i<r;++i)

for(j=0;j<c;++j)

{

printf("%d ",sum[i][j]);

if(j==c-1)

{

printf("\n\n");

}

}

return 0;

}