#include <stdio.h>

int main() {

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

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

  scanf("%d", &r);

  printf("Enter the 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 b%d%d: ", i + 1, j + 1);

      scanf("%d", &b[i][j]);

    }

  for (i = 0; i < r; ++i)

    for (j = 0; j < c; ++j) {

      sum[i][j] = a[i][j] + b[i][j];

    }

  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;

}

Enter the number of rows (between 1 and 100): 3

Enter the number of columns (between 1 and 100): 3

Enter elements of 1st matrix:

Enter element a11: 1

Enter element a12: 2

Enter element a13: 3

Enter element a21: 4

Enter element a22: 5

Enter element a23: 6

Enter element a31: 7

Enter element a32: 8

Enter element a33: 9

Enter elements of 2nd matrix:

Enter element b11: 1

Enter element b12: 2

Enter element b13: 4

Enter element b21: 5

Enter element b22: 8

Enter element b23: 97

Enter element b31: 78

Enter element b32: 46

Enter element b33: 13

Sum of two matrices:

2 4 7

9 13 103

85 54 22