#include <stdio.h>

#include <conio.h>

void main ()

{

clrscr();

int i, j;

int sum[3][3];

int array1[3][3];

int array2[3][3];

printf("Enter values for the first array for each index \n");

for (i = 0; i <= 2; i++)

{

printf("Row %d \n", i+1);

for (j = 0; j <= 2; j++)

{

printf("matrix1[%d][%d]: ", i, j);

scanf("%d", &array1[i][j]);

}

}

printf("Enter values for the second array for each index \n");

for (i = 0; i <= 2; i++)

{

printf("Row %d \n", i+1);

for (j = 0; j <= 2; j++)

{

printf("matrix2[%d][%d]: ", i, j);

scanf("%d", &array2[i][j]);

}

}

for (i = 0; i <= 2; i++)

{

for (j = 0; j <= 2; j++)

{

sum[i][j] = array1[i][j] + array2[i][j];

}

}

printf("The sum of matrix 1 and 2 is \n");

for (i = 0; i <= 2; i++)

{

for (j = 0; j <=2; j++)

{

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

}

printf("\n");

}

getch();

}