#include <stdio.h>

int main()

{

int R, C, n, r, c, sum=0;

int arr1[3][3]={{1, 2, 3},{4, 5, 6},{7, 8, 9}};

R = C = n = 3;

int i,j;

printf("The given array is : \n");

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

{

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

{

printf("%d ", arr1[i][j]);

}

printf("\n");

}

printf("The elements being summed of the lower triangular matrix are: ");

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

{

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

{

if(r > c)

{

printf("%d ",arr1[r][c]);

sum += arr1[r][c];

}

}

}

printf("\nThe Sum of the lower triangular Matrix Elements are: %d", sum);

return 0;

}