1.Write a C Program to find inversion count of array.

#include <stdio.h>

int getInvCount(int arr[], int n)

{

int inv\_count = 0;

for (int i = 0; i < n - 1; i++)

for (int j = i + 1; j < n; j++)

if (arr[i] > arr[j])

inv\_count++;

return inv\_count;

}

int main()

{

int arr[100];

int n,t;

printf("enter n value\n");

scanf("%d",&n);

printf("enter array elements\n");

for(int i=0;i<n;i++)

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

printf(" Number of inversions are %d \n", getInvCount(arr, n));

return 0;

}

