#include <stdio.h>

#include <stdlib.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[] = {1, 20, 6, 4, 5};

int n = sizeof(arr) / sizeof(arr[0]);

printf(" Number of inversions are %d \n",

getInvCount(arr, n));

return 0;

}