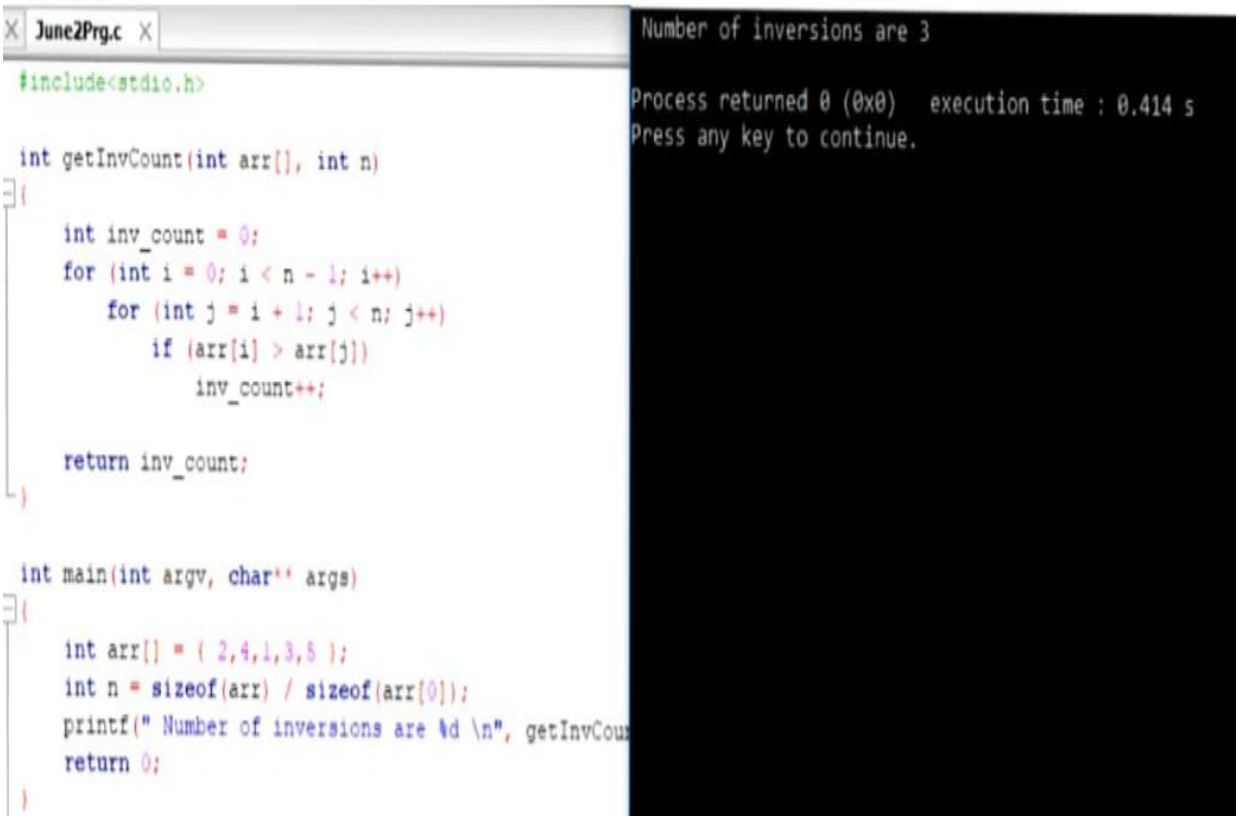
Problem Statement:

1.C program to find inversion count of an array.



June2Prg.c

```
#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 argv, char** args)
{
    int arr[] = { 2,4,1,3,5 };
    int n = sizeof(arr) / sizeof(arr[0]);
    printf(" Number of inversions are %d \n", getInvCou
    return 0;
}
```

```
Number of inversions are 3

Process returned 0 (0x0)   execution time : 0.414 s
Press any key to continue.
```