

DAILY ONLINE ACTIVITIES SUMMARY

Date:	02/06/2020	Name:	Gautham Prabhu
Sem & Sec	8 th Sem	USN:	4AL16CS035
Online Test Summary			
Subject	No test was conducted		
Max. Marks	--	Score	--
Certification Course Summary			
Course	1) Neural Networks (ANN) using Keras and TensorFlow in Python 2) Step into Robotic Process Automation		
Certificate Provider	1) Udemy 2) Guvi	Duration	1) 1 hrs 2) 3 hrs
Coding Challenges			
Problem Statement: 1)Write a C Program to find inversion count of array.			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		Daily_report	
Uploaded the report in slack		yes	

Online Test Details:

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Certification Course Details:

The screenshot shows a web browser window displaying a Udemy course page. The browser's address bar shows the URL: <https://www.udemy.com/course/neural-network-understanding-and-building-an-ann-in-python/lessons>. The course title is "Neural Networks (ANN) using Keras and TensorFlow in Python". The page lists several sections with their progress and duration:

- Section 1: Introduction (3 / 3 | 8min)
- Section 2: Setting up Python and Jupyter Notebook (9 / 9 | 1hr 38min)
- Section 3: Single Cells - Perceptron and Sigmoid Neuron (3 / 3 | 31min)
- Section 4: Neural Networks - Stacking cells to create network (3 / 3 | 45min)
- Section 5: Important concepts: Common Interview questions (1 / 2 | 13min)

Under Section 5, the following items are listed:

- 16. Basic Terminologies (10min)
- 17. Gradient Descent (12min)
- 18. Back Propagation (22min)
- 19. Some Important Concepts (13min)
- Quiz 1: Quiz



Coding Challenges Details:

Program 1:

```
#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;
```

```
}
```

```
void main()
```

```
{
```

```
    int arr[50], n,t;
```

```
    printf("Enter the number of test cases\n");
```

```
    scanf("%d",&t);
```

```
    for(int i=0;i<t;i++)
```

```
{
```

```
    printf("Enter the array size : ");
```

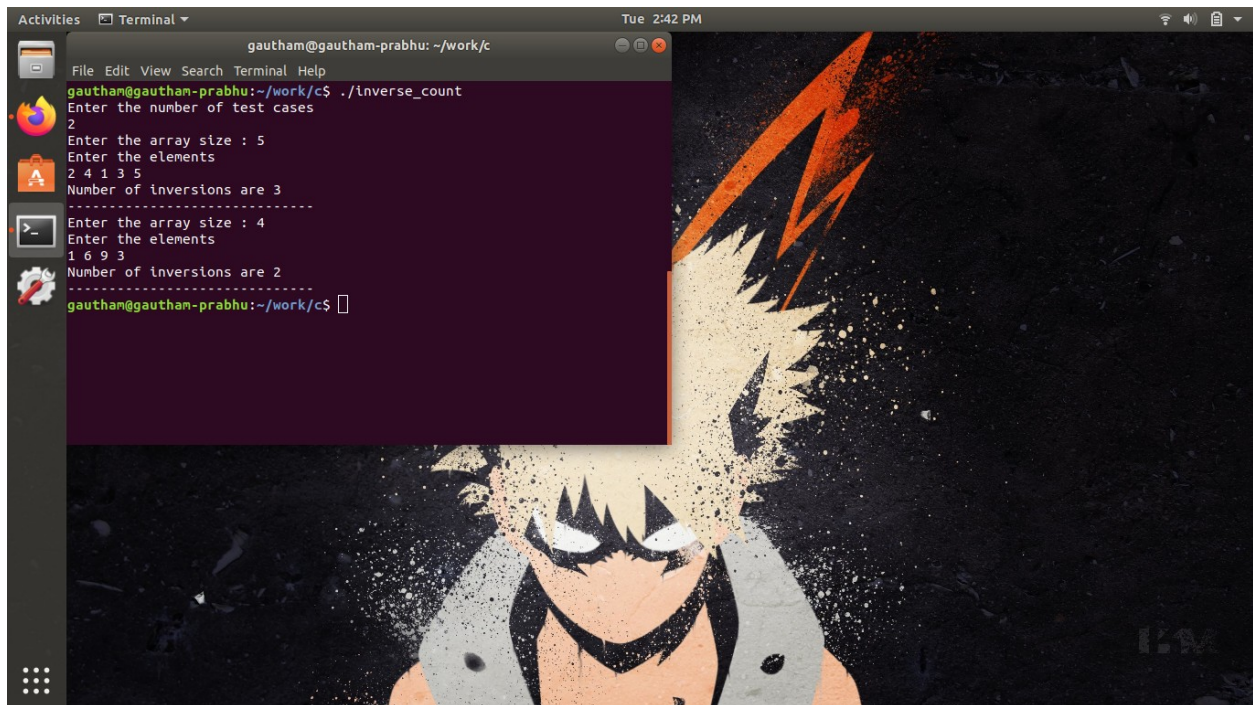
```
    scanf("%d",&n);
```

```
    printf("Enter the elements\n");
```

```
    for(int j=0;j<n;j++)
```

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

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



The screenshot shows a terminal window titled "gautham@gautham-prabhu: ~/work/c". The user has executed the command `./inverse_count`. The program prompts for the number of test cases (2), then for each test case, it asks for the array size and the elements. For the first test case, the array size is 5 and the elements are 2 4 1 3 5, resulting in 3 inversions. For the second test case, the array size is 4 and the elements are 1 6 9 3, resulting in 2 inversions. The desktop background features a stylized anime character with spiky blonde hair and a grey jacket.

```
gautham@gautham-prabhu: ~/work/c  
gautham@gautham-prabhu:~/work/c$ ./inverse_count  
Enter the number of test cases  
2  
Enter the array size : 5  
Enter the elements  
2 4 1 3 5  
Number of inversions are 3  
-----  
Enter the array size : 4  
Enter the elements  
1 6 9 3  
Number of inversions are 2  
-----  
gautham@gautham-prabhu:~/work/c$
```