DAILY ONLINE ACTIVITIES SUMMARY

Date:	**02-06-2020**	**Name:**	**D Jasmine Joyline**
Sem & Sec	**VI Sem A**	**USN:**	**4AL17CS024**

Online Test Summary

Subject	**CGV**		
Max. Marks	**30**	**Score**	**27**

Certification Course Summary

Course	**Python Bootcamp 2020:Build 15 working applications and games**		
Certificate Provider	**Udemy**	**Duration**	**32hr**

Coding Challenges

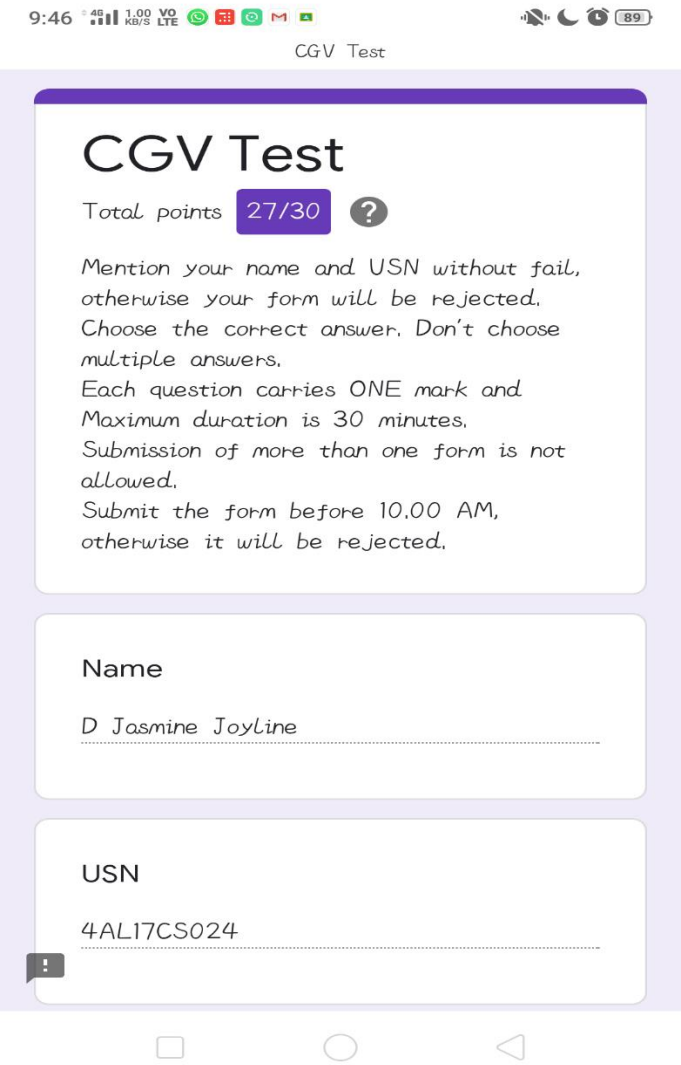
Problem Statement:
1.Write a Java program to detect loop in a linked list
2.Write a Java Program to find inversion count of array.

Status:Completed

Uploaded the report in Github	**Yes**
If yes Repository name	https://github.com/alvas-education-foundation/D_Jasmine_Joyline/tree/master/daily_progress
Uploaded the report in slack	**Yes**

Online Test Details:

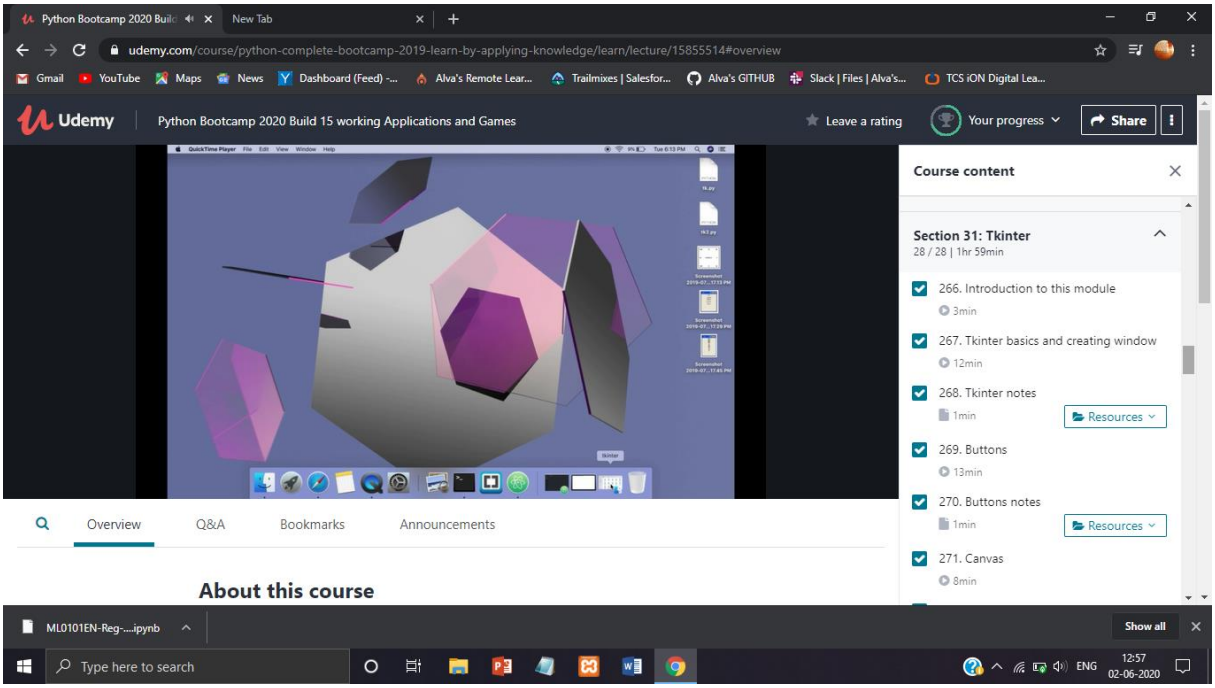
CGV IA TEST



Certification Course Details:

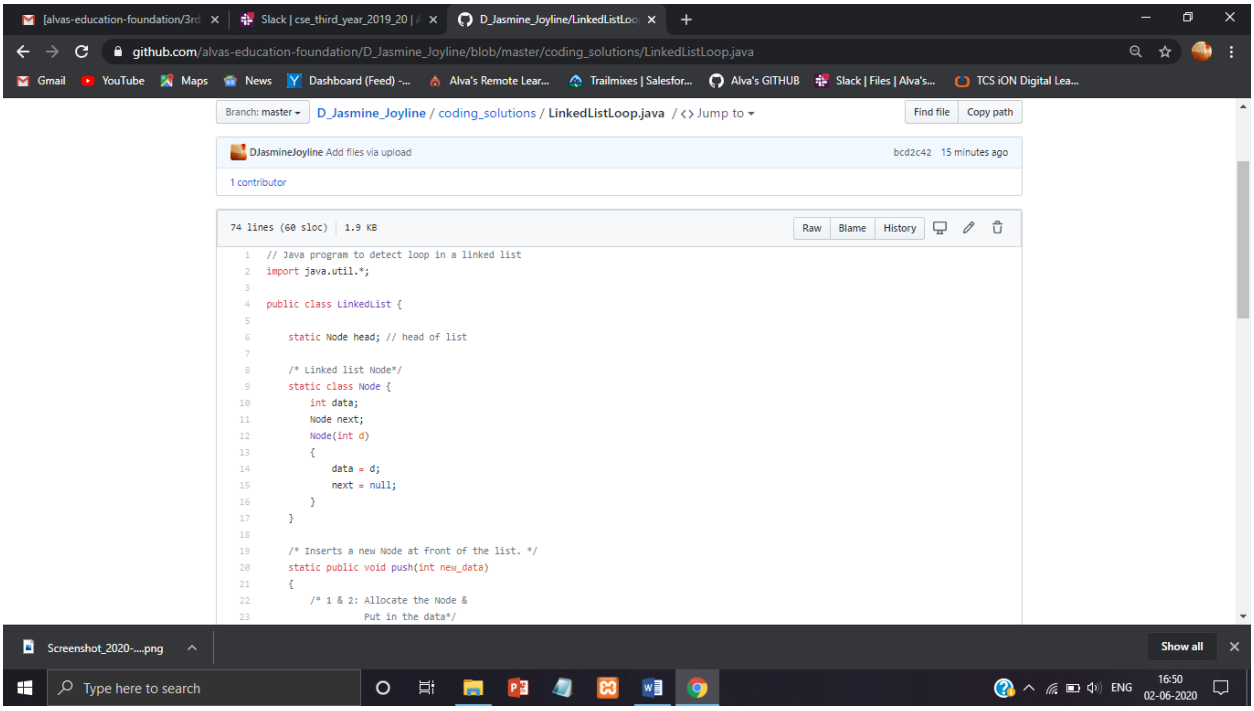
Module that I have completed today:

- Tkinter



Coding Challenges Details:

1.Java program to detect loop in a linked list



2.Write a Java Program to find inversion count of array.

Inversion Count: For an array, inversion count indicates how far (or close) the array is from being sorted. If array is already sorted then inversion count is 0. If array is sorted in reverse order that inversion count is the maximum.
Formally, two elements a[i] and a[j] form an inversion if a[i] > a[j] and i < j.
Input:
The first line of input contains an integer T denoting the number of test cases. The first line of each test case is N, the size of array. The second line of each test case contains N elements.
Output:
Print the inversion count of array.
Constraints:
1 ≤ T ≤ 100
1 ≤ N ≤ 107
1 ≤ C ≤ 1018
Example:
Input:
1
5
2 4 1 3 5
Output:
3
Explanation:
Testcase 1: The sequence 2, 4, 1, 3, 5 has three inversions (2, 1), (4, 1), (4, 3).