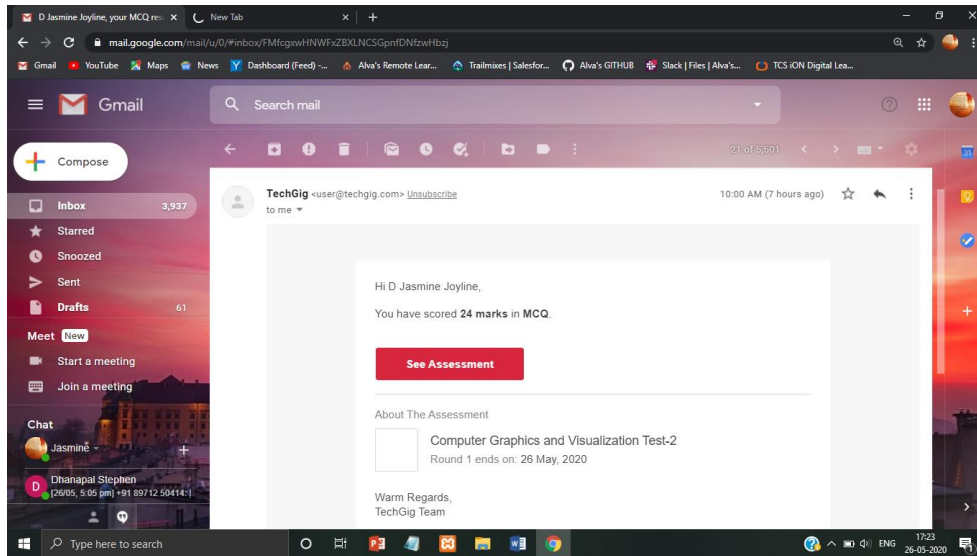


DAILY ONLINE ACTIVITIES SUMMARY

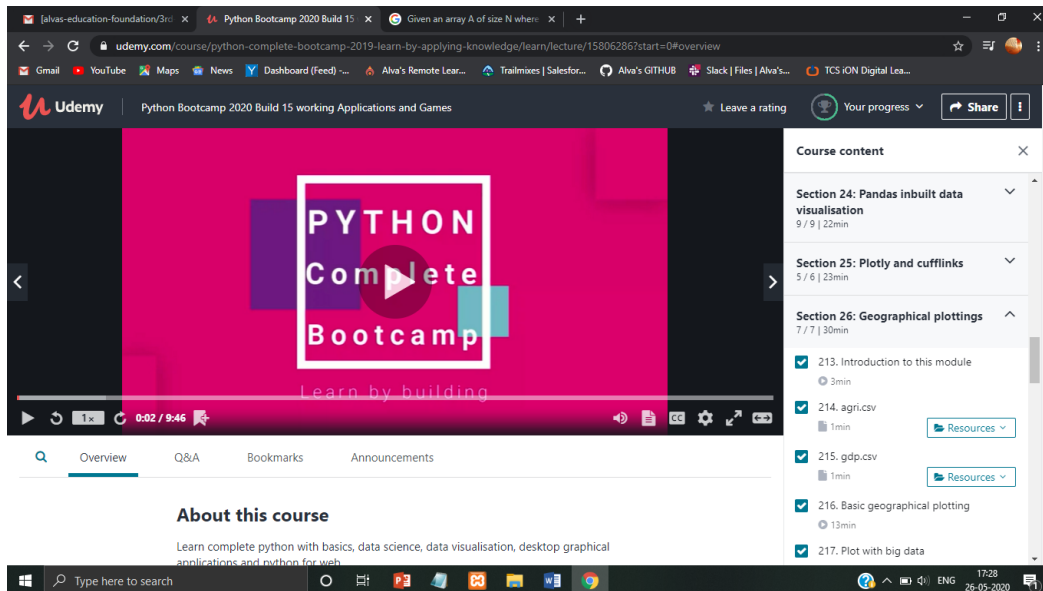
Date:	26-05-2020	Name:	D JASMINE JOYLINE
Sem & Sec	VI SEM	USN:	4AL17CS024
Online Test Summary			
Subject	COMPUTER GRAPHICS AND VISUALISATION		
Max. Marks	30	Score	24
Certification Course Summary			
Course	PYTHON BOOTCAMP 2020: Build 15 working Applications and Games		
Certificate Provider	UDEMY	Duration	32hr
Coding Challenges			
Problem Statement: Count of subarrays which start and end with the same element			
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 TEST DETAILS



Certification Course Details:



Modules that I have covered today:

- Pandas inbuilt data visualization
- Plotly and cufflinks
- Geographical plottings

Coding Challenges Details:

Count of subarrays which start and end with the same element

Given an array **A** of size **N** where the array elements contain values from **1 to N** with duplicates, the task is to find total number of subarrays which start and end with the same element.

Examples:

Input: $A[] = \{1, 2, 1, 5, 2\}$

Output: 7

Explanation:

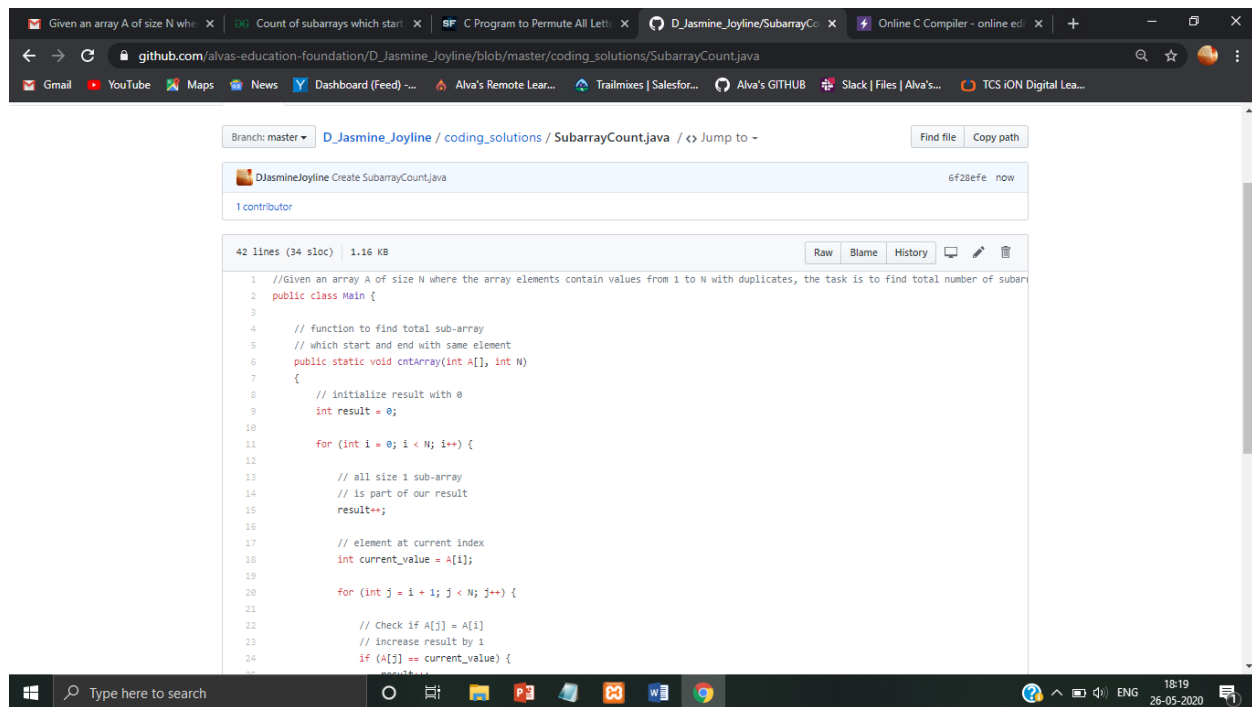
Total 7 sub-array of the given array are $\{1\}$, $\{2\}$, $\{1\}$, $\{5\}$, $\{2\}$, $\{1, 2, 1\}$ and $\{2, 1, 5, 2\}$ are start and end with same element.

Input: $A[] = \{1, 5, 6, 1, 9, 5, 8, 10, 8, 9\}$

Output: 14

Explanation:

Total 14 sub-array $\{1\}$, $\{5\}$, $\{6\}$, $\{1\}$, $\{9\}$, $\{5\}$, $\{8\}$, $\{10\}$, $\{8\}$, $\{9\}$, $\{1, 5, 6, 1\}$, $\{5, 6, 1, 9, 5\}$, $\{9, 5, 8, 10, 8, 9\}$ and $\{8, 10, 8\}$ start and end with same element.



The screenshot shows a web browser displaying a GitHub repository page for a Java program. The browser tabs include "Given an array A of size N where...", "Count of subarrays which start...", "C Program to Permute All Lett...", "D_Jasmine_Joyline/SubarrayCo...", and "Online C Compiler - online edi...". The address bar shows the URL: github.com/alvas-education-foundation/D_Jasmine_Joyline/blob/master/coding_solutions/SubarrayCount.java. The repository page shows the file "SubarrayCount.java" with 42 lines (34 slocc) and 1.16 KB. The code is as follows:

```
1 //Given an array A of size N where the array elements contain values from 1 to N with duplicates, the task is to find total number of subar
2 public class Main {
3
4     // function to find total sub-array
5     // which start and end with same element
6     public static void cntArray(int A[], int N)
7     {
8         // initialize result with 0
9         int result = 0;
10
11         for (int i = 0; i < N; i++) {
12
13             // all size 1 sub-array
14             // is part of our result
15             result++;
16
17             // element at current index
18             int current_value = A[i];
19
20             for (int j = i + 1; j < N; j++) {
21
22                 // Check if A[j] == A[i]
23                 // increase result by 1
24                 if (A[j] == current_value) {
```

The Windows taskbar at the bottom shows the search bar "Type here to search" and several application icons. The system tray on the right shows the date and time as "26-05-2020 18:19".