DAILY ONLINE ACTIVITIES SUMMARY

Date:	**19-05-2020**	**Name:**	**D Jasmine Joyline**
Sem & Sec	**VI A**	**USN:**	**4AL17CS024**

Online Test Summary

Subject	**CGV Internal IA Test**		
Max. Marks	**60**	**Score**	**55**

Certification Course Summary

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

Coding Challenges

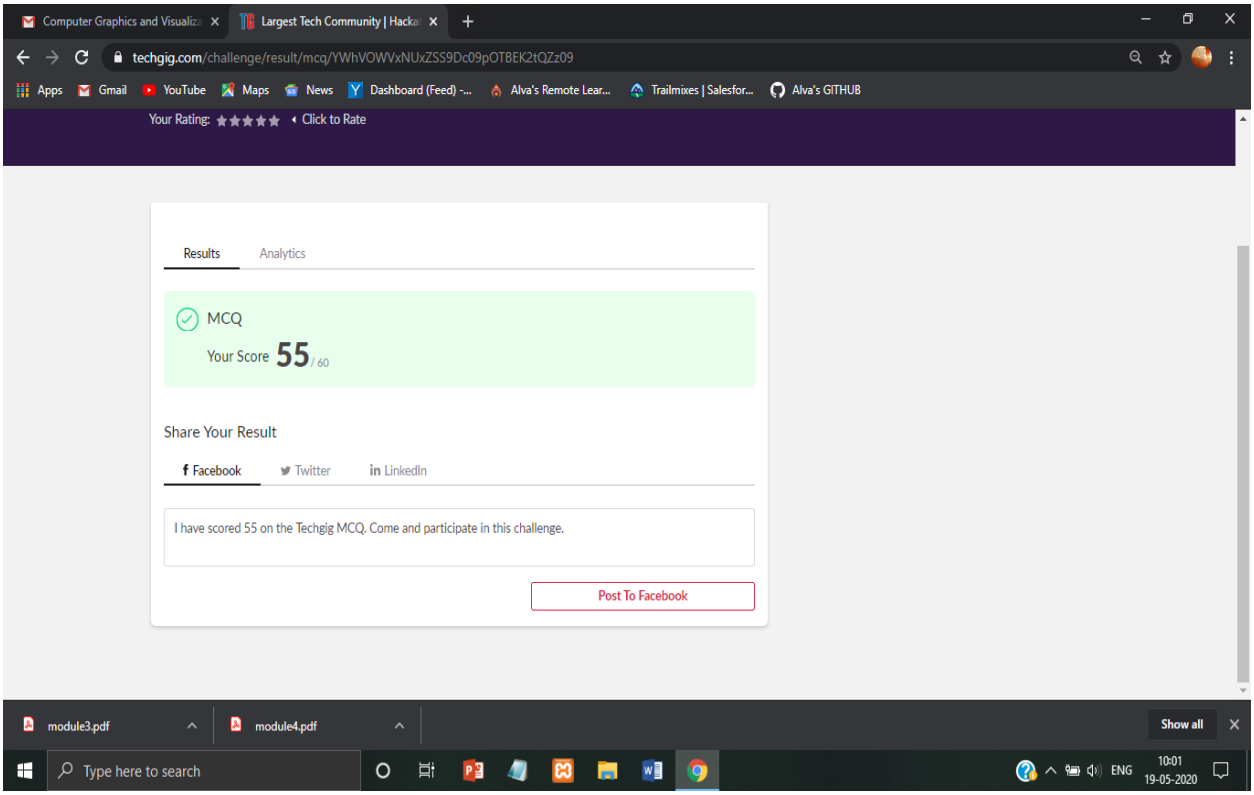
Problem Statement: Given an array of integers, return the **indices** of the two numbers whose sum is equal to a given target.

Status:Completed

Uploaded the report in Github	**Yes**
If yes Repository name	**D.JasmineJoyline-Daily-Report**
Uploaded the report in slack	**Yes**

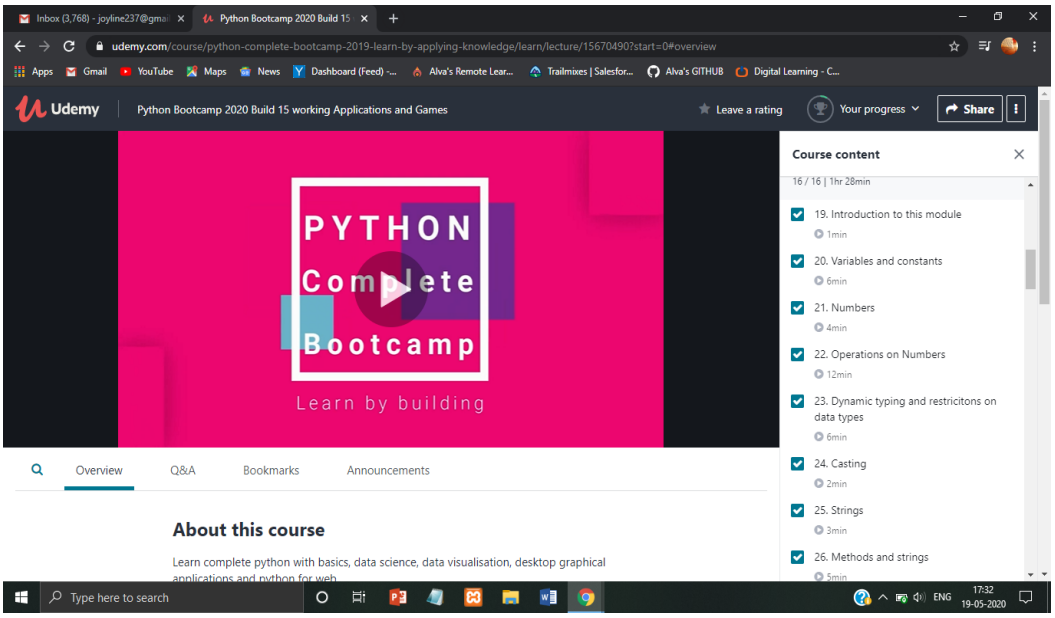
Online Test Details

CGV TEST Details:



Online Certification Details

Modules completed:
-Introduction
-Installing Atom,Anaconda,Python 3.
-Data types in python



Coding Challenge Details

Two Number Sum Problem Statement

Given an array of integers, return the **indices** of the two numbers whose sum is equal to a given target.

You may assume that each input would have exactly one solution, and you may not use the same element twice.

Example:

```
Given nums = [2, 7, 11, 15], target = 9.


The output should be [0, 1].

Because nums[0] + nums[1] = 2 + 7 = 9.
```

codingground
SIMPLY EASY CODING

Compile and Execute Java Online (JDK 1.8.0)

Execute | Share | Source File | STDIN | Login

```java
import java.util.*;

public class TwoSum {


    public static int[] findTwoSum_BruteForce(int[] nums, int target) {
        Map<Integer,Integer> numMap=new HashMap<>();
        for(int i=0;i<nums.length;i++)
        {
            int compliment=target-nums[i];
            if(numMap.containsKey(compliment))
            {
                return new int[]{numMap.get(compliment),i};

            }
            else
            {
                numMap.put(nums[i],i);
            }
        }
        return new int[] {};
    }


    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

```

```java

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        int n = sc.nextInt();
        int[] nums = new int[n];

        for(int i = 0; i < n; i++) {
            nums[i] = sc.nextInt();
        }
        int target = sc.nextInt();

        sc.close();

        int[] indices = findTwoSum_BruteForce(nums, target);

        if (indices.length >= 2) {
            System.out.println("index1 : "+indices[0]+" and " + "index2 : " + indices[1]);
        } else {
            System.out.println("No solution found!");
        }
    }
}
```