

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	09-06-2020	<b>Name:</b>	D Jasmine Joyline
<b>Sem &amp; Sec</b>	VI Sem A	<b>USN:</b>	4AL17CS024
<b>Online Test Summary</b>			
<b>Subject</b>	CGV CNSC		
<b>Max. Marks</b>	CGV=30 CNSC=60	<b>Score</b>	CGV=20 CNSC=45
<b>Certification Course Summary</b>			
<b>Course</b>	ONLINE JAVA MASTER CLASS		
<b>Certificate Provider</b>	eBOX	<b>Duration</b>	1.5hr
<b>Coding Challenges</b>			
<b>Problem Statement:</b> <ol style="list-style-type: none"> <li>1. Python Program to count even and odd numbers</li> <li>2. Write a Python to implement Perfect Sum Problem</li> </ol>			
<b>Status:Completed</b>			
<b>Uploaded the report in Github</b>		<b>Yes</b>	
<b>If yes Repository name</b>		<a href="https://github.com/alvas-education-foundation/D_Jasmine_Joyline/tree/master/daily_progress">https://github.com/alvas-education-foundation/D_Jasmine_Joyline/tree/master/daily_progress</a>	
<b>Uploaded the report in slack</b>		<b>Yes</b>	

## Online Test Details:

### CGV IA TEST

The screenshot shows a web browser window with a Google Forms test titled "CGV TEST". The form is open in a Google Docs editor. The test instructions are: "Mention your E-Mail Address, Name and USN without fail, otherwise your form will be rejected. Choose the correct answer. Don't choose multiple answers. Each question carries ONE mark and Maximum duration is 30 minutes. Submission of more than one form is not allowed. Submit the form before 10.00 AM, otherwise it will be rejected." The form has three input fields: "Email address \*" with the value "joyline237@gmail.com", "Name" with the value "D Jasmine Joyline", and "USN". The total points are 20/30. The browser's address bar shows the Google Forms URL. The Windows taskbar at the bottom shows the time as 16:28 on 09-06-2020.

**CGV TEST** Total points **20/30**

Mention your E-Mail Address, Name and USN without fail, otherwise your form will be rejected.  
Choose the correct answer. Don't choose multiple answers.  
Each question carries ONE mark and Maximum duration is 30 minutes.  
Submission of more than one form is not allowed.  
Submit the form before 10.00 AM, otherwise it will be rejected.

Email address \*  
joyline237@gmail.com

Name  
D Jasmine Joyline

USN

### CNSC IA TEST

The screenshot shows a mobile app interface with a status bar at the top displaying the time as 2:34, signal strength, 9.99 KB/S, and battery level at 69%. The app header includes the text "Largest Tech Community | Hackathons,..." and a "Logout" button. The main content area displays three test results:

- Your Score**  
**18** / 24
- Test 1 submitted**  
MCQ  
**Your Score**  
**15** / 16
- Test 2 submitted**  
MCQ  
**Your Score**  
**12** / 20

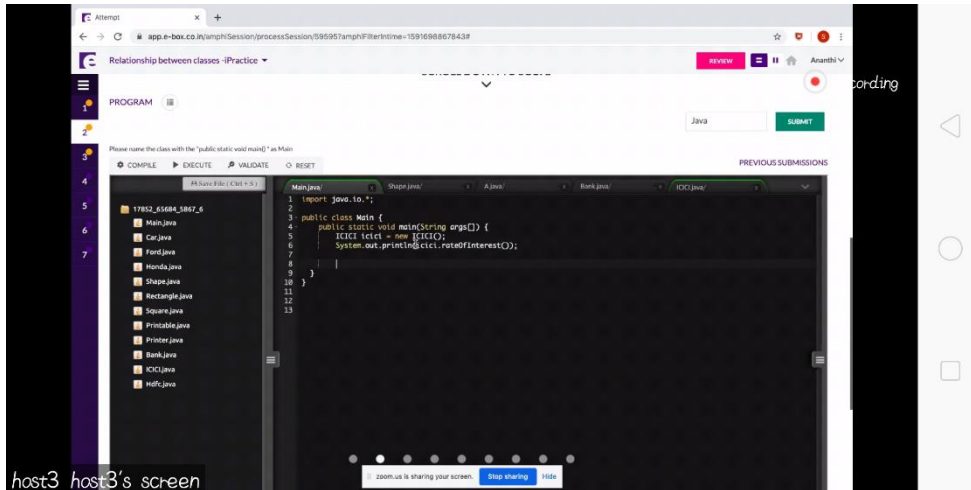
The app interface is shown on a mobile device with a white background and a light gray header and footer.

## Certification Course Details:

Online Java Master Class through Zoom-

Topics covered are:

- Interface
- Abstract class
- Multiple Inheritance



## Coding Challenges Details:

### 1. Python Program to count even and odd numbers

Write a Python program to count the number of even and odd numbers from a series of numbers.

Numbers are = (1, 2, 3, 4, 5, 6, 7, 8, 9)

Output:

Number of even numbers : 4

Number of odd numbers : 5

The screenshot shows a web browser displaying a GitHub repository page for 'D.JasmineJoyline/coding\_solutions/even\_odd\_count.py'. The file is 23 lines long and 539 bytes. The code is a Python program that takes an input 'n' and counts the number of even and odd numbers from 1 to n. The output shows 5 even numbers and 4 odd numbers for n=9.

```
1 #Python Program to count even and odd numbers
2
3
4 #Write a Python program to count the number of even and odd numbers from a series of numbers.
5 #Numbers are = (1, 2, 3, 4, 5, 6, 7, 8, 9)
6 #Output:
7 #Number of even numbers : 5
8 #Number of odd numbers : 4
9
10 n=int(input())
11 l=[]
12 for i in range(n):
13     v=int(input())
14     l.append(v)
15     oddcount=0
16     evencount=0
17     for i in l:
18         if (i%2==0):
19             evencount+=1
```

## 2. Write a Python to implement Perfect Sum Problem

Given an array `arr[]` of integers and an integer `K`, the task is to print all subsets of the given array with the sum equal to the given target `K`.

Input: `arr[] = {5, 10, 12, 13, 15, 18}`, `K = 30`

Output: `{12, 18}`, `{5, 12, 13}`, `{5, 10, 15}`

Explanation:

Subsets with sum 30 are:

$$12 + 18 = 30$$

$$5 + 12 + 13 = 30$$

$$5 + 10 + 15 = 30$$

The screenshot shows a web browser displaying a GitHub repository page for 'D.JasmineJoyline/coding\_solutions/SubsetsOfGivenSum.py'. The file is 35 lines long and 759 bytes. The code is a Python program that implements a recursive approach to find all subsets of an array that sum up to a target value K.

```
1 # Python3 implementation of the above approach
2
3 # Function to print the subsets whose
4 # sum is equal to the given target k
5 def sumSubsets(sets, n, target):
6     x = [0]*len(sets)
7     j = len(sets) - 1
8     while (n > 0):
9         x[j] = n % 2
10        n = n // 2
11        j -= 1
12
13    sum = 0
14    for i in range(len(sets)):
15        if (x[i] == 1):
16            sum += sets[i]
17    if (sum == target):
18        print(" ", end="")
19        for i in range(len(sets)):
```