

## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	03/07/2020	Name:	Divyashree Naik
Sem & Sec	8 <sup>th</sup> sem A	USN:	4AL16CS034
<b>Online Test Summary</b>			
Subject	---		
Max. Marks	---	Score	---
<b>Certification Course Summary</b>			
Course	Java Programming		
Certificate Provider	Great Learning	Duration	3.5 hrs
<b>Coding Challenges</b>			
Problem Statement: C program to Generate All Possible Combinations of a Given List of Numbers			
Status: Complete			
Uploaded the report in Github		Yes	
If yes Repository name		Alvas-Report	
Uploaded the report in slack		Yes	

## Online certification:

The screenshot shows the Great Learning website interface for a Java Programming course. The page has a navigation bar with 'Home', 'Live Sessions', and 'Certificates'. A 'My Courses' button and a user profile icon are in the top right. The main content area is divided into 'CONTENT' and 'ASSESSMENTS' tabs. Under the 'CONTENT' tab, there is a 'Learning Videos' section with a list of videos:

Video Title	Duration	Status
Agenda	51s	✓
What is Java	1m	✓
Install Java & Java IDE	5m	✓
First Java Program	3m	✓
Variables and Data Types	6m	✓
Operators in Java	7m	✓

## Coding Challenge:

The screenshot shows a C++ code editor with a file named 'July3Prg.c'. The code is a program to generate all possible combinations of numbers 1 to 5. The code is as follows:

```
10 printf("\n");
11
12 int main()
13 {
14     int num[N];
15     int temp;
16     int i, n, j;
17     printf("\nHow many number you want to enter: ");
18     scanf("%d", &n);
19     printf("\nEnter a list of numbers to enter: ");
20     for (i = 0; i < n; i++)
21         scanf("%d", &num[i]);
22
23     printf("\nThe combinations are:\n");
24     for (j = 1; j <= n; j++) {
25         for (i = 0; i < n-1; i++) {
26             temp = num[i];
27             num[i] = num[i+1];
28             num[i+1] = temp;
29             print(num, n);
30         }
31     }
```

The output of the program is shown in the terminal window:

```
How many number you want to enter: 5
Enter a list of numbers to see all combinations:
1 2 3 4 5
The combinations are:
2 1 3 4 5
2 3 1 4 5
2 3 4 1 5
2 3 4 5 1
3 2 4 5 1
3 4 2 5 1
3 4 5 2 1
3 4 5 1 2
4 3 5 1 2
4 5 3 1 2
4 5 1 3 2
4 5 1 2 3
5 4 1 2 3
5 1 4 2 3
5 1 2 4 3
5 1 2 3 4
1 5 2 3 4
1 2 5 3 4
1 2 3 5 4
1 2 3 4 5
```

The bottom of the screenshot shows the 'Logs & others' window with the following messages:

```
==== Build file: "no target" in "no project" (compiler: unknown) ====
==== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 2 second(s)) ====
```