

## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	27/07/2020	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	Data Structures in C		
Certificate Provider	Great Learning	Duration	2hrs
<b>Coding Challenges</b>			
Problem Statement: C program to find the largest palindrome in an array			
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. The top navigation bar includes links for Home, Browse Courses, Premium Courses, Live Sessions, and Certificates. A 'My Courses' button and a user profile icon are on the right. The main content area displays a list of topics for the 'Data Structures in C' course, each with a play button icon, a duration, and a status indicator (green checkmark for completed, blue circle for pending).

Topic	Duration	Status
Linked List	12m	Completed
Stack	13m	Completed
Queue	10m	Completed
Binary Tree and Binary Search Tree	16m	Completed
Heap	15m	Completed
Hashing	22m	Pending

Below the topic list, there is a 'Quiz' section with a 'Data Structure Using C- Quiz' due on Feb 01, 2021, at 11:59 PM. At the bottom, there is a 'Claim your course certificate' section with a 'Claim your course certificate' button.

## Coding Challenge:

The screenshot shows a C++ code editor with a file named 'July27Prg.c'. The code implements a function to check if a number is a palindrome. The output window shows the program's execution, including the input '121 45654 186 7534 4884' and the output 'Largest Palindrome: 45654'. The status bar at the bottom indicates the current line and column.

```
#include<stdio.h>

int check_palindrome(int n)
{
    int div = 1;
    while (n / div >= 10)
        div *= 10;

    while (n != 0)
    {
        int first = n / div;
        int last = n % 10;

        // If first and last digits are not equal
        if (first != last)
            return -1;

        // Removing the leading and trailing digits
        n = (n / div) / 10;

        // Reducing divisor by a factor of 10
        div /= 10;
    }

    return 1;
}
```

Output:

```
Enter the number of entries:
5
Enter the elements:
121 45654 186 7534 4884
121 186 4884 7534 45654
Largest Palindrome: 45654
Process returned 0 (0x0)   execution time : 27.271 s
Press any key to continue.
```