

DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/07/2020	Name:	Divyashree Naik
Sem & Sec	8 th sem A	USN:	4AL16CS034
Online Test Summary			
Subject	---		
Max. Marks	---	Score	---
Certification Course Summary			
Course	Data Structures in C		
Certificate Provider	Great Learning	Duration	2hrs
Coding Challenges			
Problem Statement: C program to convert binary to decimal			
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 the Great Learning logo, a home button, and links to 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 is titled 'Data Structures in C' and features a 'Window Snip' button and a 'Course In Progress' status. Below this, there are two tabs: 'CONTENT' and 'ASSESSMENTS'. The 'CONTENT' tab is active, displaying a list of 'Learning Videos' with their durations and completion status.

Video Title	Duration	Status
Array	19m	Completed (Green Checkmark)
Linked List	12m	Not Completed (Empty Circle)
Stack	13m	Not Completed (Empty Circle)
Queue	10m	Not Completed (Empty Circle)
Binary Tree and Binary Search Tree	16m	Not Completed (Empty Circle)

Coding Challenge:

The screenshot shows a C++ code editor with a file named 'July21Prg.c'. The code implements a function to convert a binary number to a decimal number. The main function prompts the user to enter a binary number, which is then converted and displayed. The output shows the decimal number 12 for the input binary number 1100. The code is as follows:

```
1 #include<stdio.h>
2 #include<math.h>
3
4 int binary_to_decimal(int n)
5 {
6     int decimal = 0;
7     while (n!=0)
8     {
9         remainder = n % 10;
10        n /= 10;
11        decimal += remainder * pow(2, i);
12        ++i;
13    }
14    return decimal;
15 }
16
17 int main()
18 {
19     long int n;
20     printf("Enter a binary number: ");
21     scanf("%ld", &n);
```

The output of the program is:

```
Enter a binary number: 1100
Decimal number : 12
Process returned 0 (0x0)   execution time : 9.148 s
Press any key to continue.
```