

DAILY ONLINE ACTIVITIES SUMMARY

Date:	29/07/2020	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 octal to decimal			
Status: Complete			
Uploaded the report in Github		Yes	
If yes Repository name		Alvas-Report	
Uploaded the report in slack		Yes	

Online certification:



Coding Challenge:

The screenshot shows the Code::Blocks IDE with a C program for converting a binary number to its octal equivalent. The program is named "July29Prg.c" and is located in the "Start here" project. The code is as follows:

```
1 // July29Prg.c
2
3 #include <stdio.h>
4
5 int main()
6 {
7     long long bin;
8     int oct = 0, dec = 0, i = 1;
9
10    // converting binary to decimal
11    while (bin != 0) {
12        dec += (bin % 10) * i;
13        ++i;
14        bin /= 10;
15    }
16    i = 1;
17
18    // converting to octal
19    while (dec != 0) {
20        oct += (dec % 8) * i;
21        dec /= 8;
22        i *= 10;
23    }
24    return oct;
25 }
```

The program is compiled and executed, showing the output: "Enter a binary number: 1001", "1001 in binary = 11 in octal", "Process returned 0 (0x0) execution time : 4.323 s", and "Press any key to continue.".

The bottom status bar shows the current file is "C/C++", the window is "Windows (CR+LF)", the default editor is "default", the cursor is at "Line 30, Col 2, Pos 630", and the status is "Insert".