

DAILY ONLINE ACTIVITIES SUMMARY

Date:	28/07/2020	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 decimal to octal			
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 '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:

Topic	Duration	Status
Linked List	12m	Completed (Green Checkmark)
Stack	13m	Completed (Green Checkmark)
Queue	10m	Completed (Green Checkmark)
Binary Tree and Binary Search Tree	16m	Completed (Green Checkmark)
Heap	15m	Completed (Green Checkmark)
Hashing	22m	Not Completed (Empty Circle)

Below the topics list, there is a 'Quiz' section with a single item: 'Data Structure Using C- Quiz' with a due date of 'Feb 01, 2021, 11:59 PM'. At the bottom, there is a 'Claim your course certificate' section with a single item: 'Claim your course certificate'.

Coding Challenge:

```
#include <stdio.h>
#include <math.h>

int convertDecimalToOctal(int decimalNumber)
{
    int decimalNumber;

    printf("Enter a decimal number: ");
    scanf("%d", &decimalNumber);

    printf("%d in decimal = %d in octal\n", decimalNumber, convertDecimalToOctal(decimalNumber));

    return 0;
}

int convertDecimalToOctal(int decimalNumber)
{
    int octalNumber = 0, i = 1;

    while (decimalNumber != 0)
    {
        octalNumber = (octalNumber * 10) + (decimalNumber % 8);
        decimalNumber = decimalNumber / 8;
    }

    printf("%d in decimal = %d in octal\n", decimalNumber, octalNumber);

    return 0;
}
```

The screenshot shows the Code::Blocks IDE with the file 'July28Prg.c' open. The code is a C++ program that converts a decimal number to its octal equivalent. The program includes headers for standard input/output and math. It defines a function 'convertDecimalToOctal' that takes an integer 'decimalNumber' and returns its octal representation. The 'main' function prompts the user to enter a decimal number, calls the conversion function, and prints the result. The output shows that the decimal number 20 is converted to the octal number 24. The status bar at the bottom indicates the current settings: 'C/C++', 'Windows (CR+LF)', 'default', 'Line 30, Col 1, Pos 581', 'Insert', 'Read/Write', 'default'.