

DAILY ONLINE ACTIVITIES SUMMARY

Date:	22/06/2020	Name:	Divya C H
Sem & Sec	8 th Sem	USN:	4AL16CS033
Online Test Summary			
Subject	System Model-ling and Simulation		
Max. Marks	60	Score	- -
Certification Course Summary			
Course	Learn C++ Programming from Scratch		
Certificate Provider	udemy.com/	Duration	1 hrs
Coding Challenges			
Problem Statement: 1) How to find the first non repeated character of a given String?			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		Daily_report	
Uploaded the report in slack		yes	

Online Test Details:

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Certification Course Details:

The screenshot shows a web browser with multiple tabs. The active tab is a Udemy course page titled "Learn C++ Programming From Scratch". The course is by "divyach98/Online_certification". The main video player shows a slide titled "WELCOME TO C++ COURSE" with a list of topics: BASICS OF C++, IDENTIFIERS AND KEYWORDS, DATA TYPES, CLASSES AND OBJECTS, IF-ELSE STATEMENT AND LOOPS, INHERITANCE, and POINTERS. To the right of the video player is a "Course content" sidebar showing a list of sections: 1. Basics of C++ (4min), 2. Data Types (5min), 3. Classes and Functions (10min), 4. If-Else Statements and Loops (9min), 5. Inheritance (24min), and 6. Pointers (6min). Below the video player are tabs for Overview, Q&A, Notes, and Announcements. The "About this course" section states: "A beginners guide to learn C++ from scratch." The Windows taskbar at the bottom shows the date as 22-06-2020 and time as 20:05.

Coding Challenges Details:

Program 1:

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

```
#include <stdlib.h>
```

```
#define NO_OF_CHARS 256
```

```
int* getCharCountArray(char* str)
```

```
{
```

```

        int* count = (int*)calloc(
            sizeof(int), NO_OF_CHARS);

        int i;

        for (i = 0; *(str + i); i++)
            count[*(str + i)]++;

        return count;
    }

    int firstNonRepeating(char* str)
    {

        int* count = getCharCountArray(str);

        int index = -1, i;

        for (i = 0; *(str + i); i++) {

            if (count[*(str + i)] == 1) {

                index = i;

                break;

            }

        }

        free(count);

        return index;

    }

```

```
int main()
{
    char str[] = "fgchfytrfuyguijp";
    int index = firstNonRepeating(str);
    if (index == -1)
        printf("Either all characters are repeating or
string is empty");
    else
        printf("First non-repeating character is %c",
str[index]);
    getchar();
    return 0;
}
```

