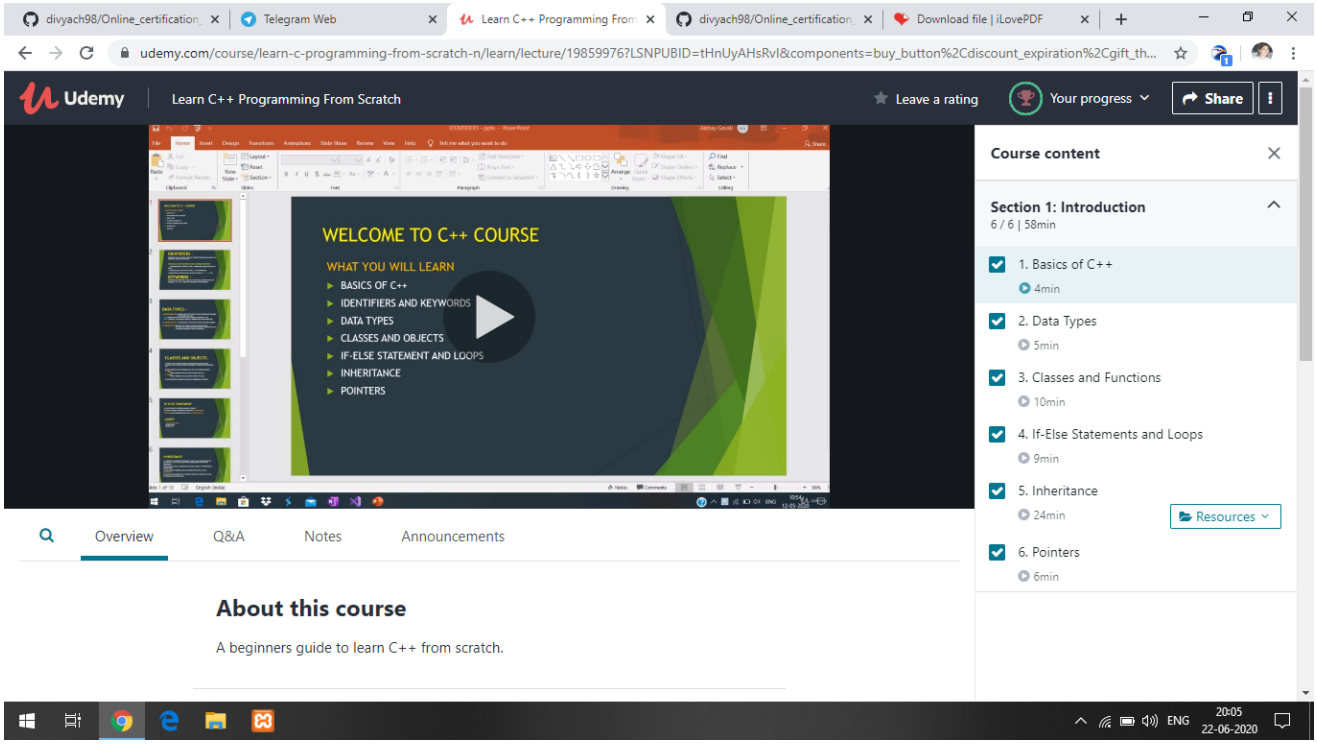
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**22/06/2020**	**Name:**	**Divya C H**
Sem & Sec	**8th 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:

- -

Certification Course Details:



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;
}
```