DAILY ONLINE ACTIVITIES SUMMARY

Date:	18/07/2020		Name:	Divya C H
Sem & Sec	8th Sem		USN:	4AL16CS033
Online Test Summary				
Subject	- -			
Max. Marks	- -		Score	- -
Certification Course Summary				
Course	Ultimate java development			
Certificate Provider		Eduonix.com	Duration	20 hrs
Coding Challenges				
Problem Statement: Write a C program to find highest occurring character in a 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 challenge:

Program 1:

```
#include<stdio.h>

#include<string.h>

#define ASCII_SIZE 256


char getMaxOccuringChar(char* str)

{

    // Create array to keep the count of individual

    // characters and initialize the array as 0
```

```c
    int count[ASCII_SIZE] = {0};

    // Construct character count array from the input
    // string.
    int len = strlen(str);
    int max = 0; // Initialize max count
    char result; // Initialize result

    // Traversing through the string and maintaining
    // the count of each character
    for (int i = 0; i < len; i++) {
        count[str[i]]++;
        if (max < count[str[i]]) {
            max = count[str[i]];
            result = str[i];
        }
    }

    return result;
}

// Driver program to test the above function
int main()
{
    char str[] = "sample string";
```

```c
    printf("Enter the string:");

    gets(str);

    printf("Max occurring character is %c\n", getMaxOccuringChar(str));

}
```