

### DAILY ONLINE ACTIVITIES SUMMARY

|  |                           |                 |            |
|--|---------------------------|-----------------|------------|
| <b>Date:</b>   | 18/07/2020                | <b>Name:</b>    | Divya C H  |
| <b>Sem &amp; Sec</b>   | 8 <sup>th</sup> Sem       | <b>USN:</b>     | 4AL16CS033 |
| <b>Online Test Summary</b>   |                           |                 |            |
| <b>Subject</b>   | - -                       |                 |            |
| <b>Max. Marks</b>  | - -                       | <b>Score</b>    | - -        |
| <b>Certification Course Summary</b>  |                           |                 |            |
| <b>Course</b>  | Ultimate java development |                 |            |
| <b>Certificate Provider</b>  | Eduonix.com               | <b>Duration</b> | 20 hrs     |
| <b>Coding Challenges</b>   |                           |                 |            |
| <b>Problem Statement:</b> Write a C program to find highest occurring character in a string. |                           |                 |            |
| <b>Status:</b> Completed   |                           |                 |            |
| <b>Uploaded the report in Github</b>   |                           | Yes             |            |
| <b>If yes Repository name</b>  |                           | Daily_report    |            |
| <b>Uploaded the report in slack</b>  |                           | yes             |            |

## Online Test Details:

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## Certification Course Details:

The screenshot displays the Eduonix website interface. At the top, there's a navigation bar with the Eduonix logo, an 'Explore' button, and a search bar. A promotional banner for 'HAPPY HOURS - EXTRA 50% OFF!' is visible. The main content area features a video player showing a Java code snippet for file operations. To the right of the video is a sidebar with a 'Contents' tab, listing 49 lectures, including 'Deserialization', 'Final Notes on Exceptions', and 'Date and Time'. The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 20:30 on 23-07-2020.

## 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
```

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

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

```
printf("Enter the string:");  
gets(str);  
printf("Max occurring character is %c\n", getMaxOccuringChar(str));  
}
```