DAILY ONLINE ACTIVITIES SUMMARY

Date:	28-05-2020	Name:	Deekshith T R
Sem & Sec	VIII Semester & A Section	USN:	4AL16CS027

Online Test Summary

Subject	SMS		
Max. Marks	60	Score	60

Certification Course Summary

Course	Getting Started Hadoop		
Certificate Provider	Great Learning	Duration	30 min

Coding Challenges

Problem Statement: c program for binary search

Status: COMPLETED

Uploaded the report in Github	YES
If yes Repository name	Deekshithtr_16cs027
Uploaded the report in slack	YES

Online Test Details:

Certification Course Details:

GETTING STARTED:HADOOP

attended quiz

Coding Challenges Details:

Write a C Program to implement recursive binary search

```c
#include <stdio.h>

int binarySearch(int arr[], int l, int r, int x)
{
        if (r >= l) {
                int mid = l + (r - l) / 2;
                if (arr[mid] == x)
                        return mid;
                if (arr[mid] > x)
                        return binarySearch(arr, l, mid - 1, x);

                return binarySearch(arr, mid + 1, r, x);
        }
        return -1;
}

int main(void)
{
        int arr[] = { 2, 3, 4, 10, 40 };
        int n = sizeof(arr) / sizeof(arr[0]);
        int x = 10;
        int result = binarySearch(arr, 0, n - 1, x);
        (result == -1) ? printf("Element is not present in array"): printf("Element
is present at index %d",result);
        return 0;
}
```