

DAILY ONLINE ACTIVITIES SUMMARY

Date:	29/05/2020	Name:	Anitha Lakshmi T N
Sem & Sec	8 th - A	USN:	4AL16CS012
Online Test Summary			
Subject	Big Data Analytics		
Max. Marks	30	Score	23
Certification Course Summary			
Course	Master Python language – Mysql connector		
Certificate Provider	Udemy	Duration	3 hours
Coding Challenges			
Problem Statement: 1) Given an array arr[] of size N and an integer K. The task is to find the last remaining element in the array after reducing the array.			
Status: Executed			
Uploaded the report in Github		Yes	
If yes Repository name		Anitha_lakshmi	
Uploaded the report in slack		Yes	

Online Test Details:

The screenshot shows an email interface with a browser window at the top displaying the URL `mail.google.com/mail/u/0/?tab=rm&ogblFinbox/FMfcgwHNWJSLfJfrVKScnHgNscdWXv`. The email header shows it is from `hgg.com` and received at 9:45 AM (1 min) ago. The email body features the TechGig logo and a message to Anitha Lakshmi T N stating she has scored 23 marks in Round 1. A red button labeled 'See Assessment' is provided. Below this, a section titled 'About The Assessment' includes a placeholder image for 'CSE_BDA_4' and notes that Round 1 ends on 29 May, 2020. The email concludes with 'Warm Regards, TechGig Team'. The Windows taskbar at the bottom shows the time as 09:47 on 29-05-2020.

Certification Course Details:

The screenshot displays the Udeemy course page for 'Master Python language - MySQL connector'. The page prompts the user to rate their experience with five stars. Below the stars is an 'Ask me later' button and a note to 'Ask me at the end of the course'. The course content is listed on the right, showing 'Section 1: Introduction' with 2/16 lectures completed. The course description states: 'Learn Python for mastering machine learning, data science, big data, mysql connector'. The Windows taskbar at the bottom shows the time as 09:59 on 29-05-2020.

Coding Challenges Details:

```
void moreThanNdK(int arr[], int n, int k)
{
    // k must be greater than 1 to get some output
    if (k < 2)
        return;

    /* Step 1: Create a temporary array (contains element
       and count) of size k-1. Initialize count of all
       elements as 0 */
    struct eleCount temp[k-1];
    for (int i=0; i<k-1; i++)
        temp[i].c = 0;

    /* Step 2: Process all elements of input array */
    for (int i = 0; i < n; i++)
    {
        int j;

        /* If arr[i] is already present in
           the element count array, then increment its count */
        for (j=0; j<k-1; j++)
        {
            if (temp[j].e == arr[i])
            {
```

```
        temp[j].c += 1;

        break;
    }
}
```

```
/* If arr[i] is not present in temp[] */
```

```
if (j == k-1)
```

```
{
```

```
    int l;
```

```
    /* If there is position available in temp[], then place
```

```
    arr[i] in the first available position and set count as 1*/
```

```
    for (l=0; l<k-1; l++)
```

```
    {
```

```
        if (temp[l].c == 0)
```

```
        {
```

```
            temp[l].e = arr[i];
```

```
            temp[l].c = 1;
```

```
            break;
```

```
        }
```

```
    }
```

```
/* If all the position in the temp[] are filled, then
```

```
    decrease count of every element by 1 */
```

```
if (l == k-1)
```

```

        for (l=0; l<k; l++)
            temp[l].c -= 1;
    }
}

/*Step 3: Check actual counts of potential candidates in temp[]*/
for (int i=0; i<k-1; i++)
{
    // Calculate actual count of elements
    int ac = 0; // actual count
    for (int j=0; j<n; j++)
        if (arr[j] == temp[i].e)
            ac++;

    // If actual count is more than n/k, then print it
    if (ac > n/k)
        cout << "Number:" << temp[i].e
            << " Count:" << ac << endl;
}
}

```