

## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	29/05/2020	Name:	Vishwas Acharya
Sem & Sec	8 <sup>th</sup> - A	USN:	4AL16CS002
<b>Online Test Summary</b>			
Subject	Big Data Analytics		
Max. Marks	30	Score	18
<b>Certification Course Summary</b>			
Course	The Data Science Course 2020: Complete Data Science Bootcamp		
Certificate Provider	Udemy	Duration	29 hours
<b>Coding Challenges</b>			
<b>Problem Statement:</b> 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.			
<b>Status: Executed</b>			
Uploaded the report in Github		Yes	
If yes Repository name		vishwas_acharya	
Uploaded the report in slack		Yes	

## Online Test Details:

**TECHGIG**


Hi Vishwas Acharya,

You have scored **18 marks** in **Round 1**.

[See Assessment](#)

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About The Assessment






CSE\_BDA\_4  
Round 1 ends on: 29 May, 2020



Warm Regards,  
TechGig Team

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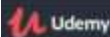
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



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## Certification Course Details:

 The Data Science Course 2020: Complete Data Science Bootcamp


Your progress  

Good job!

Question 1:  
Which of the following is true?

☐ "200,000 lines of data constitute big data."

☐ "Every type of analysis can be considered BI."

Question 1 of 1 [See results >](#)   

[Overview](#) [Q&A](#) [Bookmarks](#) [Announcements](#)

**About this course**  
Complete Data Science Training: Mathematics, Statistics, Python, Advanced Statistics

**Course content** 

Section 5: The Field of Data Science - Popular Data Science Techniques  
18 / 18 | 54min

Section 6: The Field of Data Science - Popular Data Science Tools  
2 / 2 | 8min

Section 7: The Field of Data Science - Careers in Data Science  
2 / 2 | 3min

Section 8: The Field of Data Science - Debunking Common Misconceptions  
2 / 2 | 4min

☒ 24. Debunking Common Misconceptions  
4min

☒ Quiz 17: Debunking Common Misconceptions

## 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;
}
}

```