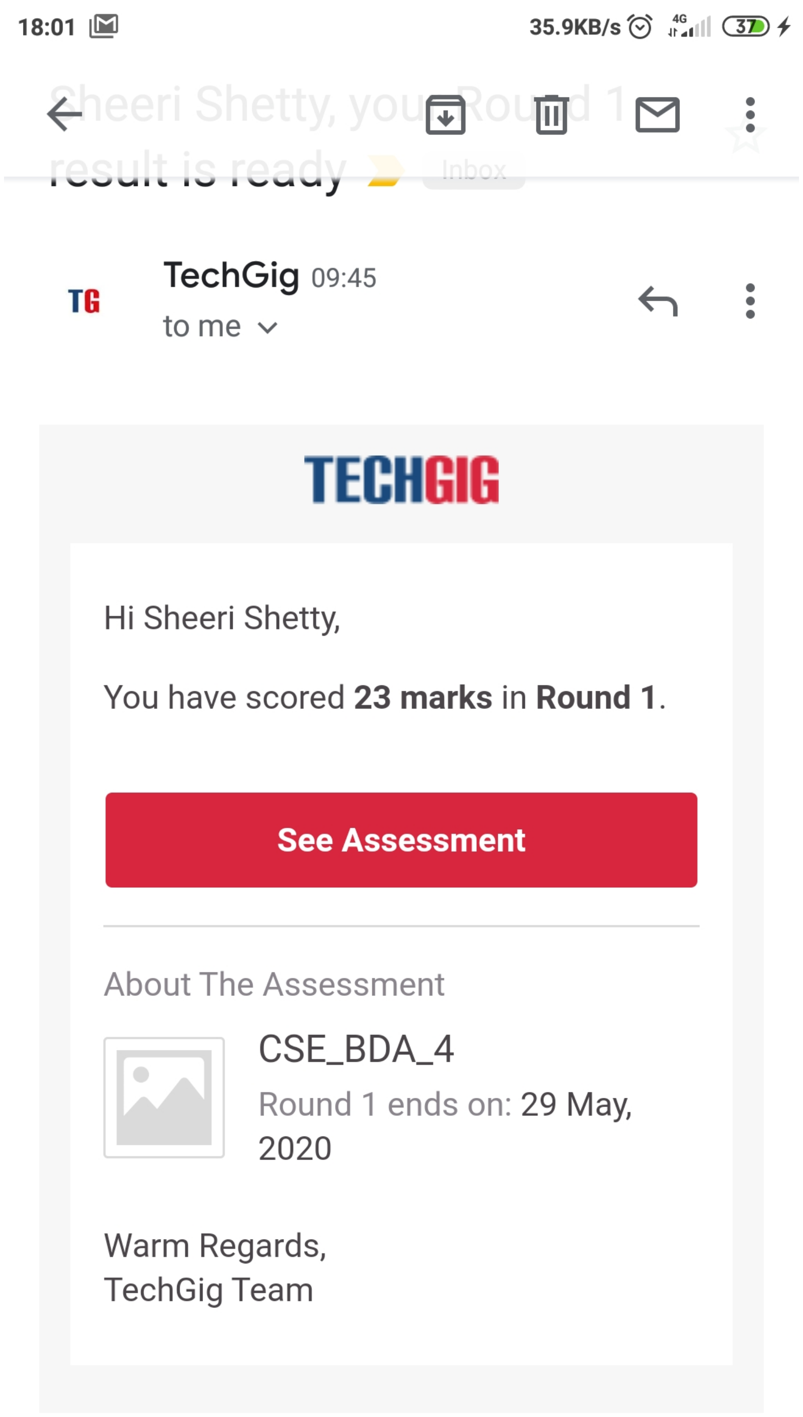
# DAILY ONLINE ACTIVITIES SUMMARY

| | | | |
|---|---|---|---|
| Date: | 29-05-2020 | Name: | Sheeri Shetty |
| Sem & Sec | 8th sem B sec | USN: | 4AL16CS095 |
| Online Test Summary | | | |
| Subject | BDA | | |
| Max. Marks | 30 | Score | 23 |
| Certification Course Summary | | | |
| Course | Introduction to ethical hacking | | |
| Certificate Provider | https://www.greatlearning.in/academy | Duration | 6hrs |
| Coding Challenges | | | |
| Problem Statement: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: completed | | | |
| Uploaded the report in Github | | yes | |
| If yes Repository name | | Sheeri-Shetty- | |
| Uploaded the report in slack | | yes | |

Online Test Details: (Attach the snapshot and briefly write the report for the same)



Sheeri Shetty, your Round 1 result is ready

TechGig 09:45
to me

Hi Sheeri Shetty,

You have scored **23 marks** in **Round 1**.

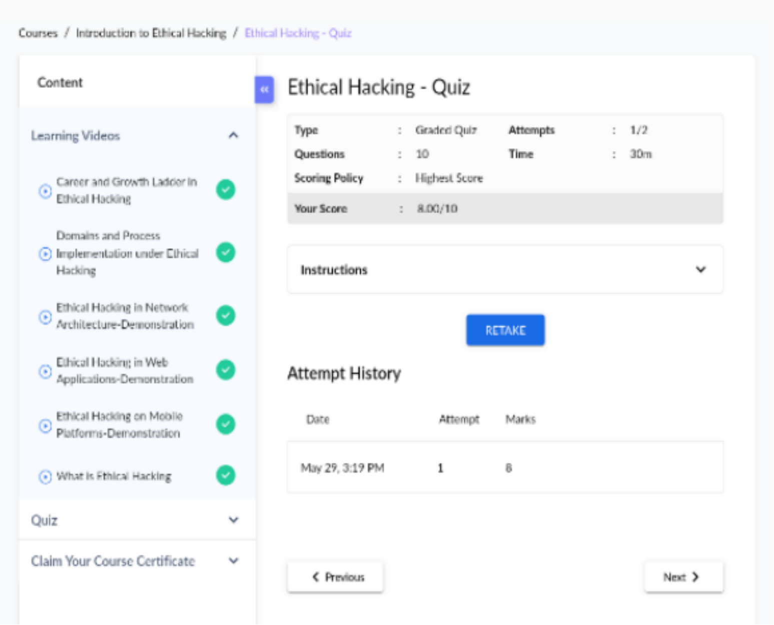
About The Assessment

CSE_BDA_4

Round 1 ends on: 29 May, 2020

Warm Regards,
TechGig Team

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



Courses / Introduction to Ethical Hacking / Ethical Hacking - Quiz

Content

Learning Videos

- Career and Growth Ladder in Ethical Hacking ✓
- Domains and Process Implementation under Ethical Hacking ✓
- Ethical Hacking in Network Architecture-Demonstration ✓
- Ethical Hacking in Web Applications-Demonstration ✓
- Ethical Hacking on Mobile Platforms-Demonstration ✓
- What is Ethical Hacking ✓

Quiz

Claim Your Course Certificate

Ethical Hacking - Quiz

| | | | | | |
|---|---|---|---|---|---|
| Type | : | Graded Quiz | Attempts | : | 1/2 |
| Questions | : | 10 | Time | : | 30m |
| Scoring Policy | : | Highest Score | | | |
| Your Score | : | 8.00/10 | | | |

Instructions

RETAKE

Attempt History

| Date | Attempt | Marks |
|---|---|---|
| May 29, 3:19 PM | 1 | 8 |

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Coding was given n it was uploaded for github and slack

**Program 1....**

```
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;
    }
}
```