

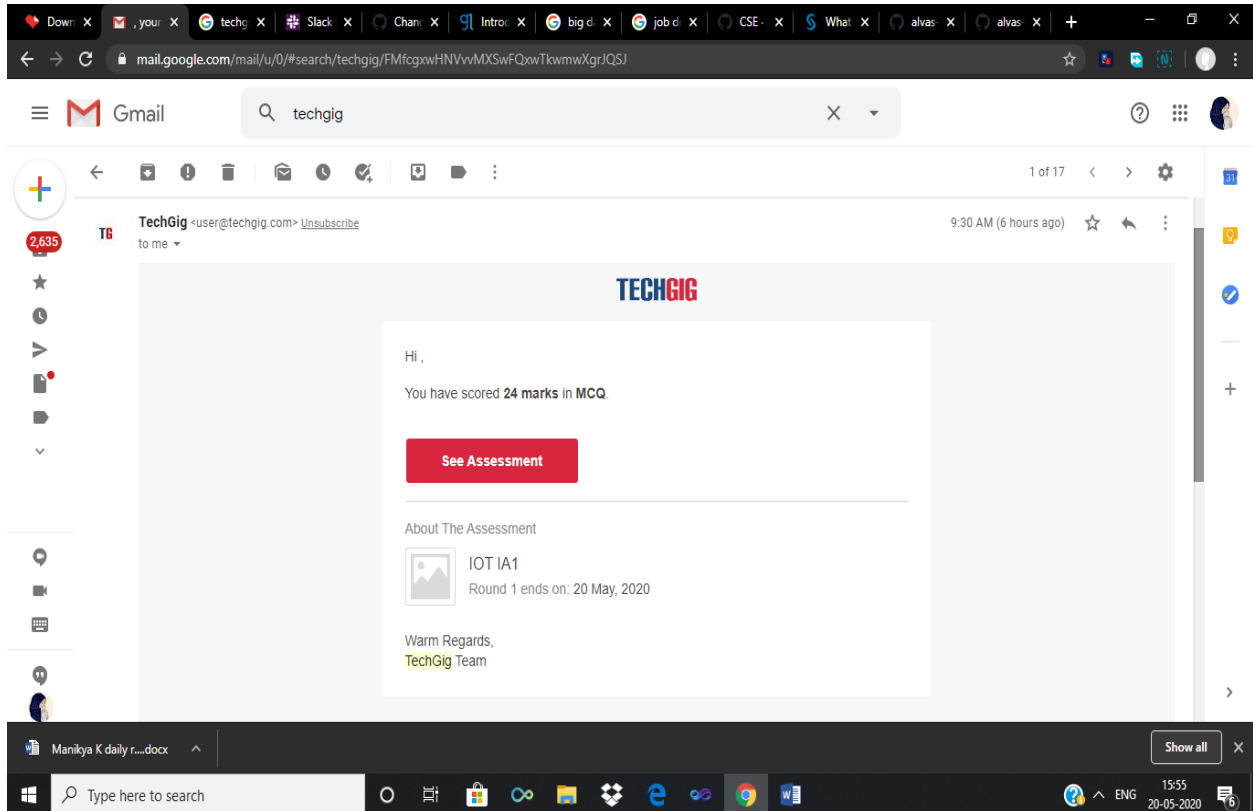
## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	20/05/2020	<b>Name:</b>	Safnaaz
<b>Sem &amp; Sec</b>	8 <sup>th</sup> B	<b>USN:</b>	4AL16CS081
<b>Online Test Summary</b>			
<b>Subject</b>	Internet of Things (IOT)		
<b>Max. Marks</b>	30	<b>Score</b>	24
<b>Certification Course Summary</b>			
<b>Course</b>	Introduction to Hadoop		
<b>Certificate Provider</b>	Great learning	<b>Duration</b>	30 mins
<b>Coding Challenges</b>			
<b>Problem Statement:</b> 1) finding frequency of each character in a string and to print even and odd for series. 2) java program			
<b>Status:</b> COMPLETED			
<b>Uploaded the report in Github</b>		<b>YES</b>	
<b>If yes Repository name</b>		<b>Safnaazsheikh</b>	
<b>Uploaded the report in slack</b>		<b>YES</b>	

## Online Test Details:

### Test on module 3 (Random number generation)

### Snapshot of test



## Certification Course Details:

The screenshot shows a web browser window with multiple tabs. The active tab is 'olympus.greatlearning.in/courses/12378'. The page header includes the Great Learning logo and 'Courses'. The main content area is titled 'Introduction to Hadoop' with a 'Course In Progress' status. Below this, there are two tabs: 'CONTENT' and 'ASSESSMENTS'. Under the 'CONTENT' tab, there is a section for 'Learning Videos' with a list of five videos:

Video Title	Duration	Status
Intro to Big data	15m	Completed (Green checkmark)
What is ETL	14m	Completed (Green checkmark)
Intro to Hadoop	13m	Completed (Green checkmark)
Distributed Computing	8m	Not Completed (Blue circle)
Hadoop Architecture	6m	Not Completed (Blue circle)

The Windows taskbar at the bottom shows the time as 09:49 on 20-05-2020.

## What is Hadoop and its Ecosystem?

Hadoop Ecosystem is a platform or framework which solves big data problems. You can consider it as a suite which encompasses a number of services (ingesting, storing, analyzing and maintaining) inside it. For storage we use HDFS (Hadoop Distributed Filesystem).

### The main components of Hadoop ecosystem

It comprises of different components and services (ingesting, storing, analyzing, and maintaining) inside of it. Most of the services available in the Hadoop ecosystem are to supplement the main four **core** components of Hadoop which include HDFS, YARN, MapReduce and Common.

## Coding Challenges Details

### Program no:1

```
struct Node
{
```

```

int data;
struct Node* next;
};

pointer to the new head node. */
struct Node *reverse (struct Node *head, int k)
{
    struct Node* current = head;
    struct Node* next = NULL;
    struct Node* prev = NULL;
    int count = 0;

    while (current != NULL && count < k)
    {
        next = current->next;
        current->next = prev;
        prev = current;
        current = next;
        count++;
    }

    if (next != NULL)
        head->next = reverse(next, k);

    return prev;
}

void push(struct Node** head_ref, int new_data)
{
    struct Node* new_node = (struct Node*) malloc(sizeof(struct Node));

    new_node->data = new_data;

    new_node->next = (*head_ref);

    (*head_ref) = new_node;
}

void printList(struct Node *node)
{
    while (node != NULL)
    {
        printf("%d ", node->data);
        node = node->next;
    }
}

```

```
int main(void)
{
    struct Node* head = NULL;
    push(&head, 8);
    push(&head, 7);
    push(&head, 6);
    push(&head, 5);
    push(&head, 4);
    push(&head, 3);
    push(&head, 2);
    push(&head, 1);

    printf("\nGiven linked list \n");
    printList(head);
    head = reverse(head, 2);

    printf("\nReversed Linked list \n");
    printList(head);

    return(0);
}
```