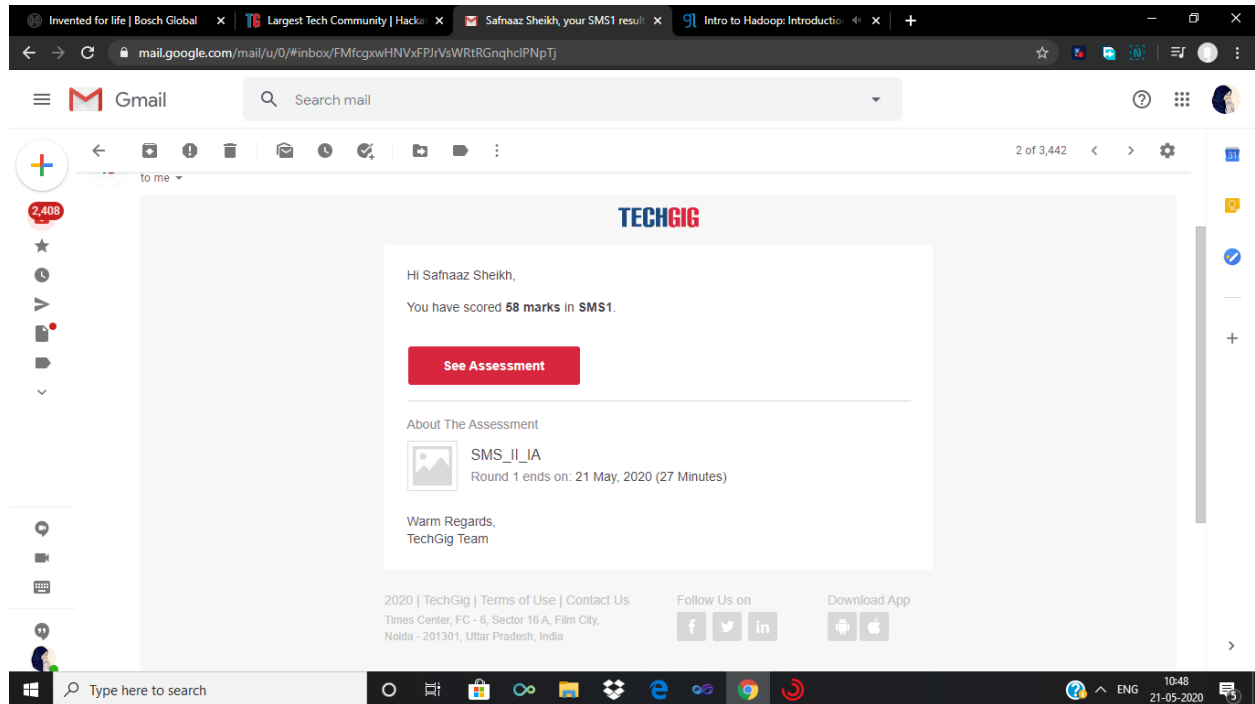


DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/05/2019	Name:	Safnaaz
Sem & Sec	8 th B	USN:	4AL16CS081
Online Test Summary			
Subject	SMS 2		
Max. Marks	60	Score	58
Certification Course Summary			
Course	Introduction To Hadoop		
Certificate Provider	Great Learning Academy	Duration	30 mins
Coding Challenges			
Problem Statement: 1) To add some letters for a given word or letter then to find shortest palindrome possible. 2) To check whether the given linked list is palindrome or not.			
Status: Solved			
Uploaded the report in Github		yes	
If yes Repository name		Safnaazsheikh	
Uploaded the report in slack		yes	

Online Test Details:



Certification Course Details:

What is distribution computing?

Distributed computing is a model in which components of a software system are shared among multiple computers to improve efficiency and performance.

The Distributed Computing Environment (DCE) is a widely-used industry standard that supports this kind of distributed computing. On the Internet, third-party service providers now offer some generalized services that fit into this model. One of the first uses of grid computing was the breaking of a cryptographic code by a group that is now known as distributed.net. That group also describes its model as distributed computing.

Hadoop Architecture

Apache Hadoop offers a scalable, flexible and reliable distributed computing big data framework for a cluster of systems with storage capacity and local computing power by leveraging commodity hardware. Hadoop follows a Master Slave architecture for the transformation and analysis of large datasets using Hadoop MapReduce paradigm.

The 3 important hadoop components that play a vital role in the Hadoop architecture are -

- Hadoop Distributed File System (HDFS) – Patterned after the UNIX file system
- Hadoop MapReduce
- Yet Another Resource Negotiator (YARN)

The screenshot shows a web browser window displaying the Great Learning course page for Hadoop Architecture. The browser's address bar shows the URL <https://olympus.greatlearning.in/courses/12378>. The page has a navigation bar with 'Home' and 'Live Sessions' links, and a 'My Courses' button. The main content area is titled 'CONTENT' and 'ASSESSMENTS'. Under 'CONTENT', there is a section for 'Learning Videos' with a list of video topics and their durations. The 'Hadoop Architecture' video is highlighted. The video list includes:

Video Title	Duration	Status
Intro to Big data	15m	Completed
What is ETL	14m	Completed
Intro to Hadoop	13m	Completed
Distributed Computing	8m	Completed
Hadoop Architecture	6m	Completed
How do we Store a File in HDFS	13m	Not Completed
Intro To Oozie and HDFS Processing	5m	Not Completed
Hadoop Cluster Hands on	18m	Not Completed

The bottom of the screenshot shows the Windows taskbar with the search bar and various application icons. The system clock indicates the time is 10:59 on 21-05-2020.

Coding Challenges Details:

program1:

```
#include<stdio.h>
#include<stdlib.h>
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));
```