


DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/05/2020	Name:	AMEEN AHMED
Sem & Sec	8 A	USN:	4AL16CS009
Online Test Summary			
Subject	SMS		
Max. Marks	60	Score	58
Certification Course Summary			
Course	INTRODUCTION TO HADOOP		
Certificate Provider	GREAT LEARNING	Duration	30 MINS
Coding Challenges			
Problem Statement: C Program to Reverse a Linked List in groups of given size			
Status: COMPLETED			
Uploaded the report in Github		YES	
If yes Repository name		Ameen	
Uploaded the report in slack		YES	

Online Test Details:

SMS – Test 2




Hi Ameen Ahmed,

You have scored **58 marks** in **SMS1**.

[See Assessment](#)

About The Assessment






SMS_II_IA
Round 1 ends on: 21 May, 2020 (28 Minutes)



Warm Regards,
TechGig Team

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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 the Great Learning platform interface. At the top, there is a navigation bar with the Great Learning logo and a user profile icon. Below the navigation bar, the course title 'Introduction to Hadoop' is displayed. The main content area is divided into two tabs: 'CONTENT' and 'ASSESSMENTS'. Under the 'CONTENT' tab, there is a section titled 'Learning Videos'. A list of videos is shown, each with a play button icon, the video title, the duration, and a completion status (a green checkmark for completed videos and a blue circle for incomplete ones). The video 'What is ETL' is currently selected and highlighted. A blue circular button with an upward arrow is visible on the right side of the video list.

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	Incomplete
How do we Store a File in HDFS	13m	Incomplete
Intro To Oozie and HDFS Processing	5m	Incomplete
Hadoop Cluster Hands on		Incomplete

Coding Challenges Details:

Write a C Program to Reverse a Linked List in groups of given size.

```
#include<stdio.h>
#include<stdlib.h>
struct Node
{
    int data;
    struct Node* next;
};
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));

}

}
int main()
{
    Struct node *prev,*head,*p;
    int n,i;
    printf ("number of elements:");
    scanf("%d",&n);
    head=NULL;
    for(i=0;i<n;i++)
    {
```

```
    p=malloc(sizeof(struct node));
    scanf("%d",&p->data);
    p->next=NULL;
    if(head==NULL)
        head=p;
    else
        prev->next=p;
    prev=p;
}
return 0;
}
```