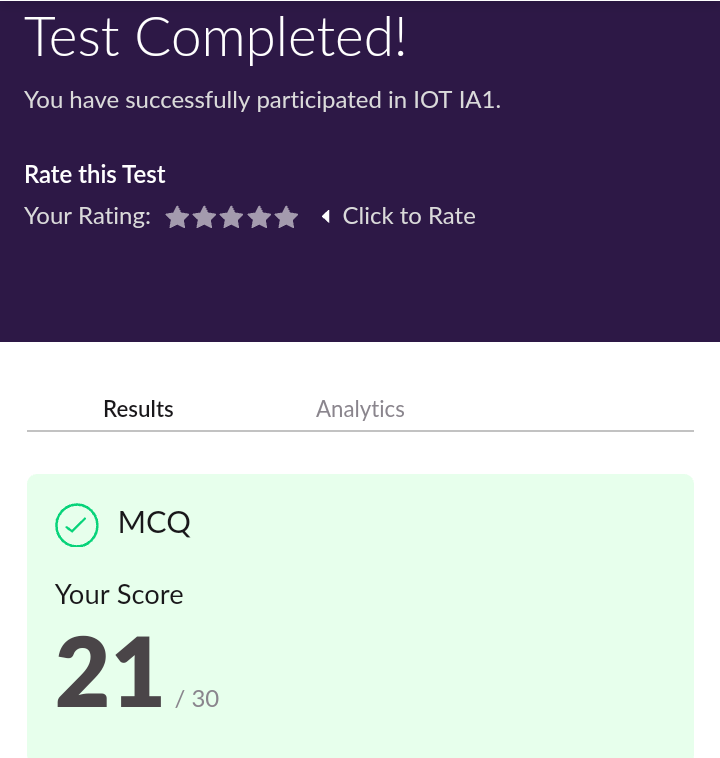
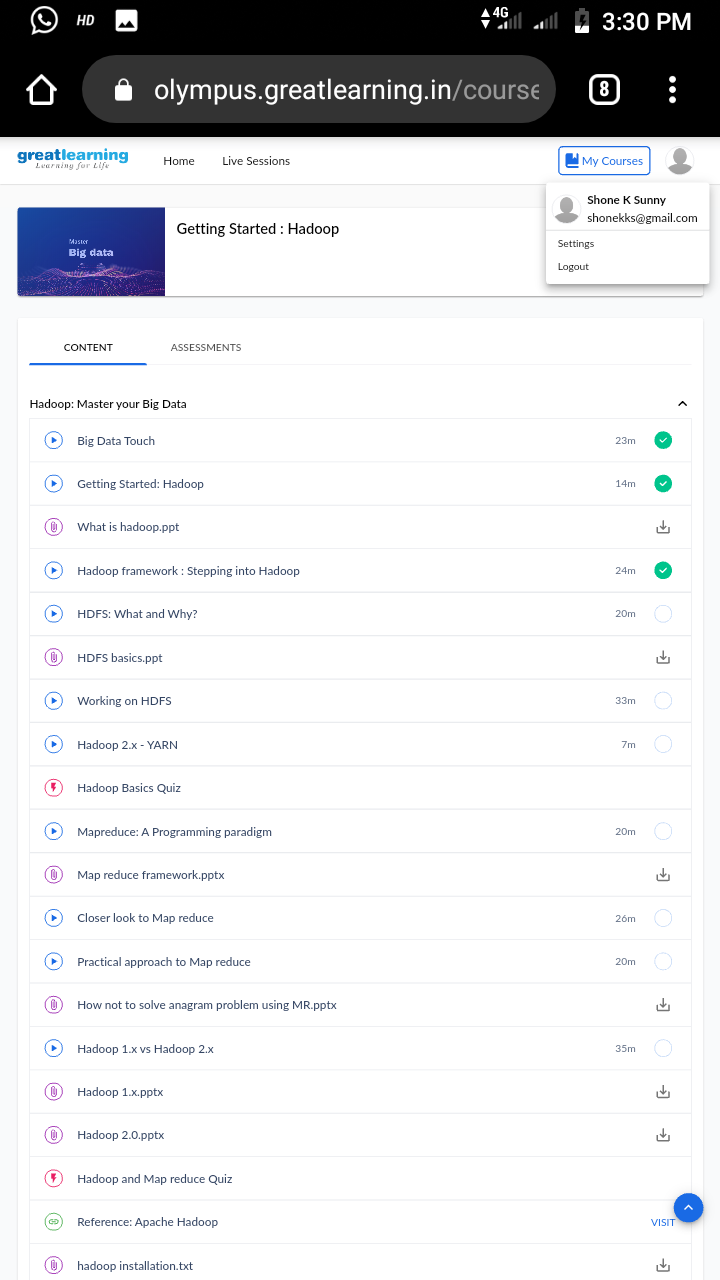
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **20/05/2020** | | | | | **Name:** | **Shone K Sunny** | |
| **Sem & Sec** | **8th sem,A** | | | | | **USN:** | **4AL14CS081** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **IOT** | | | | | | |
| **Max. Marks** | | **30** | | **Score** | | | **21** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Getting Started To Hadoop** | | | | | | | |
| **Certificate Provider** | | | **GreatLearning** | | **Duration** | | | **24mins** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement: write a c program to reverse a linked list in groups of given size.** | | | | | | | | |
| **Status: Solved** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **Yes** | | | |
| **If yes Repository name** | | | | | **shonekks** | | | |
| **Uploaded the report in slack** | | | | | **Yes** | | | |

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



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



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

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;  
};  
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);