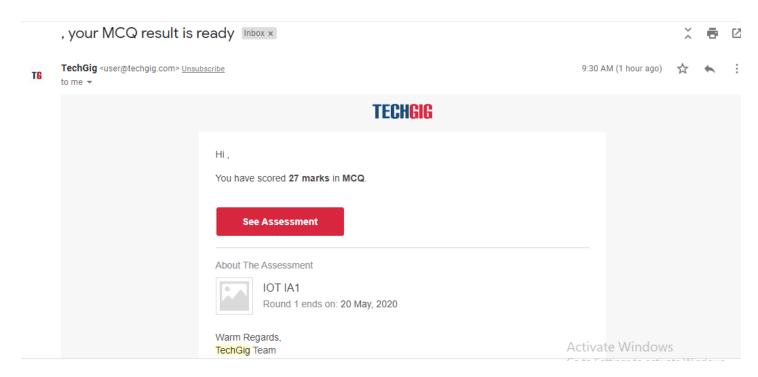
DAILY ONLINE ACTIVITIES SUMMARY

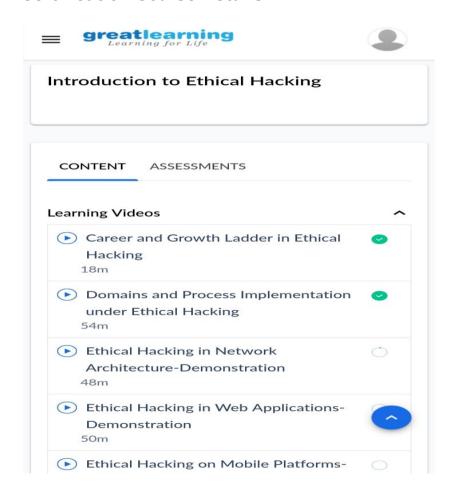
Date:	20/05/2020		Name:	Prathil	ksha
Sem & Sec	8 th sem & B sec		USN:	4AL16	CS070
Online Test Summary					
Subject Introduction To Internet of Things(IOT)					
Max. Marks	30		Score	27	
Certification Course Summary					
Course Introduction To Ethical Hacking					
Certificate Provider		Great Learning Academy	Duration		6hrs
Coding Challenges					
Problem Statement: 1. Write a C Program to Reverse a Linked List in groups of given size					
Status: Solved					
Uploaded th	e report ii	n Github	Yes		
If yes Repository name			Prathiksha		
Uploaded th	e report iı	ı slack	Yes		

Online Test Details:



IA1 portion was Module 1 and 2.

Certification Course Details:



Topic: Domains and progress implementation under ethical hacking.

Coding Challenges Details:

Program 1:

```
Test Case 1:
If a linked listis: 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 7 \rightarrow 8
The value of size k is 2
Then the linked list looks like: 2 \rightarrow 1 \rightarrow 4 \rightarrow 3 \rightarrow 6 \rightarrow 5 \rightarrow 8 \rightarrow 7
Test Case 2:
If a linked listis: 1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 7 \rightarrow 8
The value of size k is 3
Then the linked list looks like: 3 \to 2 \to 1 \to 6 \to 5 \to 4 \to 8 \to 7
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);
```