DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20-05-2020**	**Name:**	**Pallavi I sutar**
Sem & Sec	**8th B**	**USN:**	**4al16cs061**

Online Test Summary

Subject	**IoT**		
Max. Marks	**30**	**Score**	**22**

Certification Course Summary

Course	**Introduction to ethical hacking**		
Certificate Provider	**Great learner academy**	**Duration**	**6hrs**

Coding Challenges

Problem Statement: Test Case 1:
If a linked listis: 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8
The value of size k is 2
Then the linked list looks like: 2 → 1 → 4 → 3 → 6 → 5 → 8 → 7

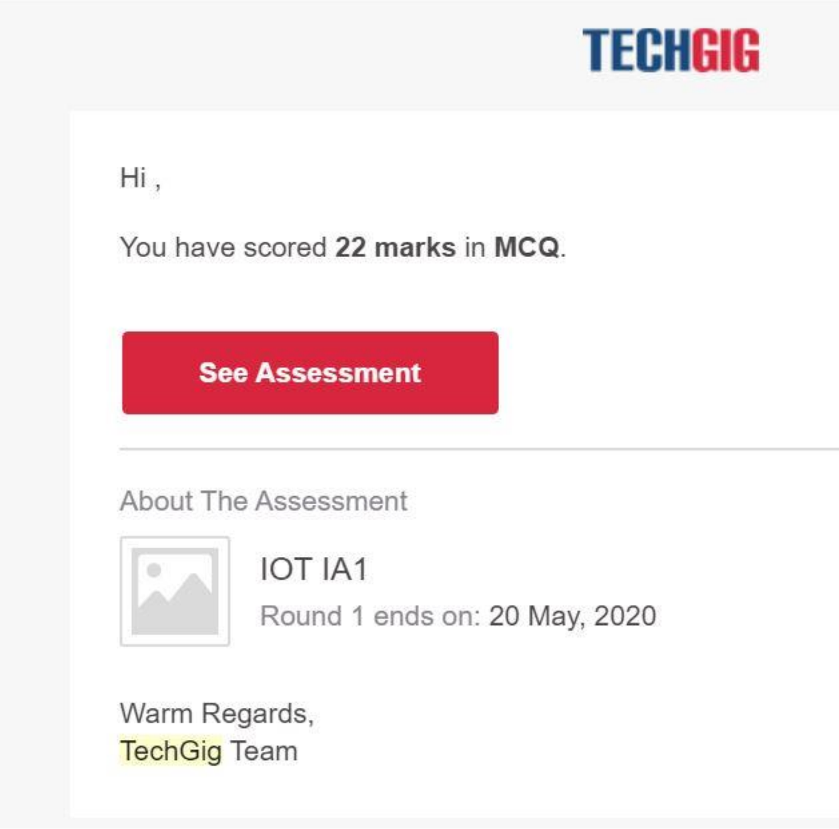
Test Case 2:
If a linked listis: 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8
The value of size k is 3
Then the linked list looks like: 3 → 2 → 1 → 6 → 5 → 4 → 8 → 7

Status: solved

Uploaded the report in Github	**yes**
If yes Repository name	**Pav122**

Uploaded the report in slack	yes

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



TECHGIG

Hi ,

You have scored **22 marks** in **MCQ**.

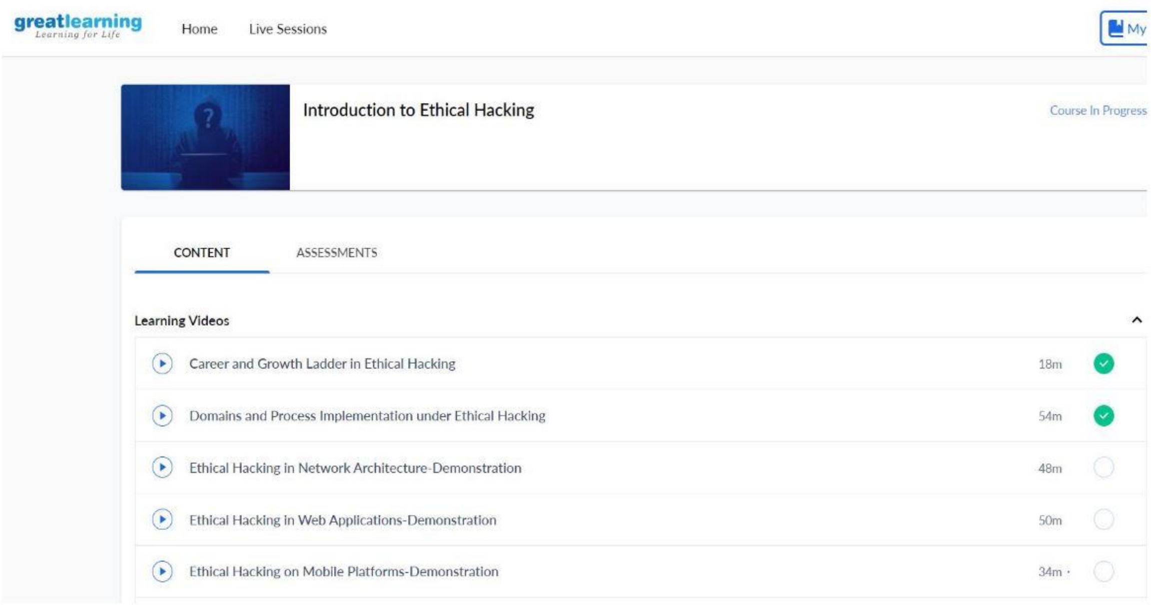
About The Assessment

IOT IA1

Round 1 ends on: 20 May, 2020

Warm Regards,
TechGig Team

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



Introduction to Ethical Hacking

Course In Progress

Learning Videos

Career and Growth Ladder in Ethical Hacking	18m	✓
Domains and Process Implementation under Ethical Hacking	54m	✓
Ethical Hacking in Network Architecture-Demonstration	48m	○
Ethical Hacking in Web Applications-Demonstration	50m	○
Ethical Hacking on Mobile Platforms-Demonstration	34m	○

Domains and Process Implementation under Ethical Hacking

•Web Application Domain
•Mobile
•Network Architecture Domain

Hacking Methodology

•Web Footprinting –Gathering Information
•Vulnerability Scanners –w3 af, Acunetix
•Identity Entry Points and Attack Surface

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
Test Case 1:
If a linked listis: 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8
The value of size k is 2
Then the linked list looks like: 2 → 1 → 4 → 3 → 6 → 5 → 8 → 7
Test Case 2:
If a linked listis: 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8
The value of size k is 3

Then the linked list looks like: 3 → 2 → 1 → 6 → 5 → 4 → 8 →
7
Code:

solution

```
#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 Linkedlist\n");
printList(head);
return(0);
}
```