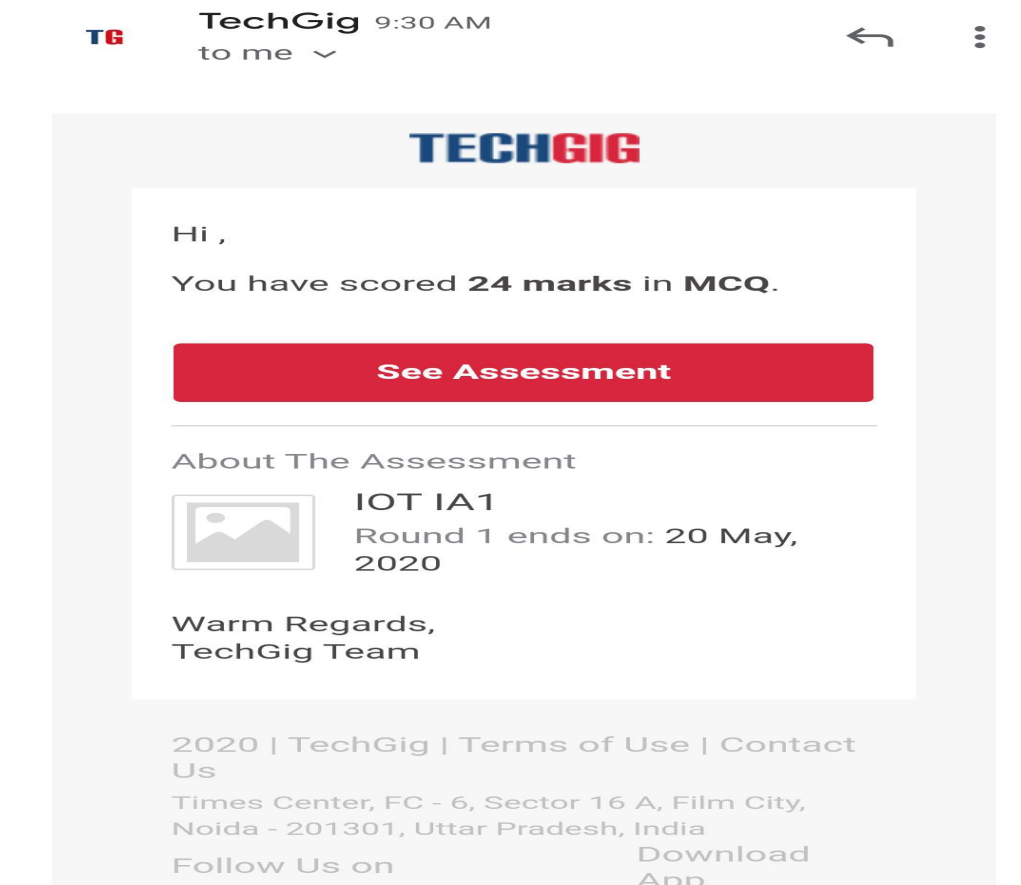


## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	20-05-2020	Name:	Shriraksha
Sem & Sec	8 <sup>th</sup> ,B	USN:	4AL16CS099
<b>Online Test Summary</b>			
Subject	IoT		
Max. Marks	30	Score	24
<b>Certification Course Summary</b>			
Course	Introduction to ethical hacking		
Certificate Provider	Great learning	Duration	6 Hrs
<b>Coding Challenges</b>			
<b>Problem Statement:</b>			
1)C Program to Reverse a Linked List in groups of a given size.			
<b>Status: Solved</b>			
Uploaded the report in Github		Yes	
If yes Repository name		alvas-education-foundation/ Shriraksha	
Uploaded the report in slack		Yes	

## Online Test Details:



## Certification Course Details:

Certified ethical hackers make an average annual income of **\$80,074**, according to [Payscale](#). The average starting salary for a certified ethical hacker is **\$95,000**, according to EC-Council senior director Steven Graham. The founder of NoWiresSecurity, Eric Geier, estimates a more conservative **\$50,000 to \$100,000 per year** in the first years of work depending on your employer, experience and education. Those with a few years of experience can pull **\$120,000 and upwards per year**, particularly those who work as independent consultants.





## Introduction to Ethical Hacking

### CONTENT

### ASSESSMENTS

#### 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 

## Ethical Hacking Career: Job Profiles

After attaining the much coveted CEH v10, an ethical hacker can try for the following roles:

- Information Security Analyst
- Security Analyst
- Certified Ethical Hacker (CEH)
- Ethical Hacker
- Security Consultant, (Computing / Networking / Information Technology)
- Information Security Manager
- Penetration Tester



**Content**

Learning Videos

- Career and Growth Ladder in Ethical Hacking ✓
- Domains and Process
  - Implementation under Ethical Hacking
- Ethical Hacking in Network Architecture-Demonstration
- Ethical Hacking in Web Applications-Demonstration
- Ethical Hacking on Mobile Platforms-Demonstration
- What is Ethical Hacking

Quiz

**Career and Growth Ladder in Ethical Hacking**

### Security Market Outlook

Year	Expenditure (billion)
2015	\$75
2020	\$170
2021 (Est)	\$29

Year	Costs (billion)
2015	\$500
2019	\$2

Activate Windows

An ethical hacker finds a job in any company which has an internet facing side or anything to do with the web. These include college institutions like MIT and even private companies ranging from logistic services to data warehousing companies. Apart from these, you also get a chance to work for the military and top-secret intelligence gathering agencies like the CIA, Mossad, NSA.

## Ethical Hacker Skill Set

A person with an ethical hacking career is expected to be proficient in database handling, networking, and operating systems and also have excellent soft skills as they need to communicate problems regarding security to the rest of the organization. Other than these generalized skillsets, an ethical hacker also have a good grasp on the following skills:

- Network traffic sniffing
- Orchestrate various network attacks
- Exploit buffer overflow vulnerabilities
- SQL injection
- Password guessing and cracking
- Session hijacking and spoofing
- DNS spoofing

## Coding Challenges:

```
PROGRAM 1 :
#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);
```

