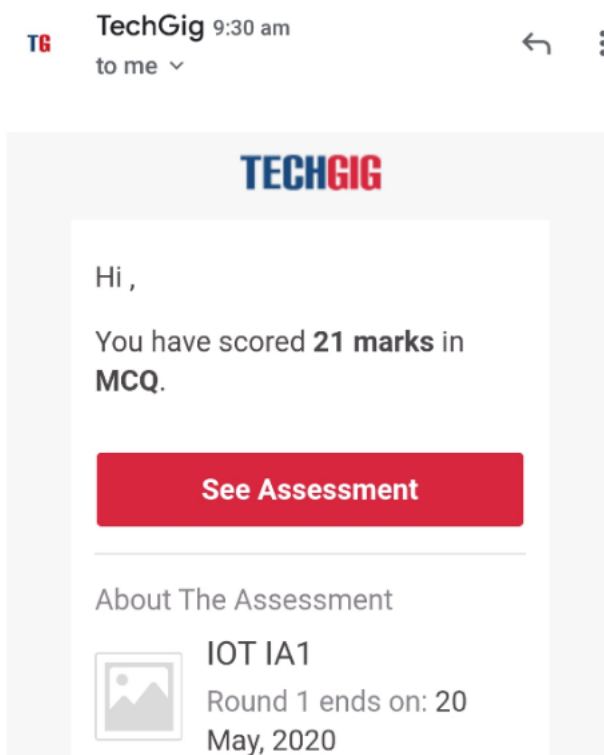


DAILY ONLINE ACTIVITIES SUMMARY

Date:	20/05/2020	Name:	Akshata Shetty
Sem & Sec	8 th - B	USN:	4AL16CS092
Online Test Summary			
Subject	Internet of Things		
Max. Marks	30	Score	21
Certification Course Summary			
Course	AWS Cloud Practitioner Essentials		
Certificate Provider	AWS	Duration	100 minutes
Coding Challenges			
Problem Statement:			
1) Write a C Program to Reverse a Linked List in groups of given size.			
Status: Executed			
Uploaded the report in Github		Yes	
If yes Repository name		akshata- shetty8	
Uploaded the report in slack		Yes	

Online Test Details:



Certification Course Details:



This is a fundamental level course that is intended for individuals who seek an overall understanding of the AWS cloud, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS services, security, architecture, pricing, and support. This course also helps us prepare for the AWS Certified Cloud Practitioner Exam.

Coding Challenges Details:

1) 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);
```