DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20/05/2020**	**Name:**	**Shruthi**
Sem & Sec	**8B**	**USN:**	**4AL16CS100**

Online Test Summary

Subject	**IOT**		
Max. Marks	**30**	**Score**	**24**

Certification Course Summary(Internship)

Task	**Study- 1.Learning the concepts of ETL and ETL tools.** **2.Creating an UI using an ETL tool.**

company	**Gain-insights**	**Duration**	**9 hrs**

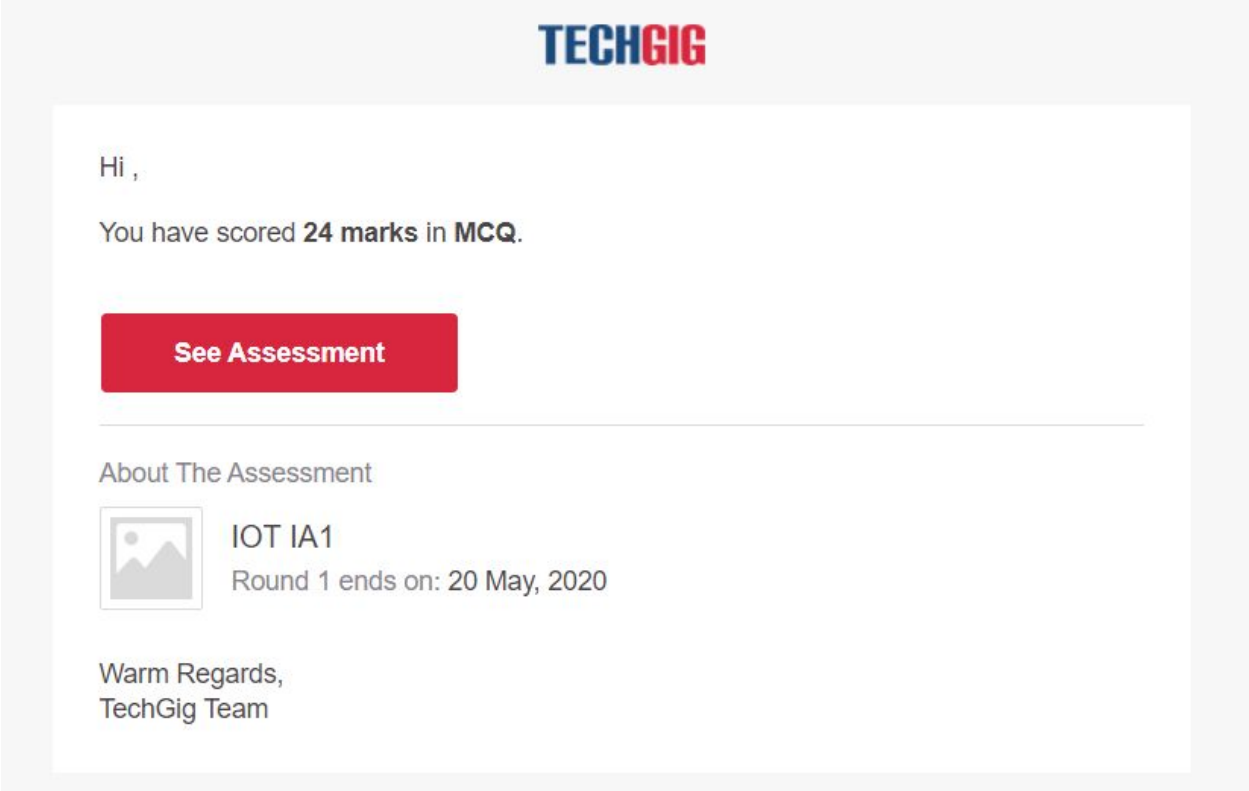
Coding Challenges

Problem Statement:
1)C Program to Reverse a Linked List in groups of a given size.

Status:completed

Uploaded the report in Github	**Yes**
If yes Repository name	alvas-education-foundation/ shruthikamath
Uploaded the report in slack	**Yes**

ONLINE TEST:



CODING CHALLENGE:

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);
```