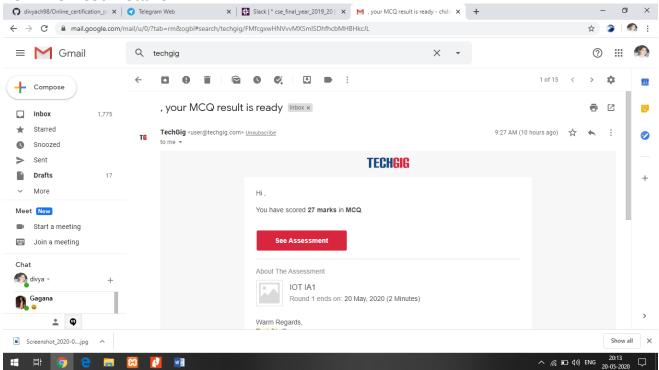
DAILY ONLINE ACTIVITIES SUMMARY

Date:	20/5/2020		Name:	Divya C H	
Sem & Sec	8 th Sem		USN:	4AL16CS033	
Online Test Summary					
Subject	Internet of Things				
Max. Marks 30			Score 27		
Certification Course Summary					
Course	Introduction to Ethical Hacking				
Certificate Provider		greatlearning.in	Duration		6 hrs
Coding Challenges					
Problem Statement: Write a C Program to Reverse a Linked Listin groups of given size.					
Status: Completed					
Uploaded the report in Github			Yes		
If yes Repository name			Daily_report		
Uploaded	the repo	rt in slack	yes		

Online Test Details:



Certification Course Details:



Coding Challenges Details:

Program 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);
```