


DAILY ONLINE ACTIVITIES SUMMARY

Date:	20/05/2020	Name:	Prathiksha
Sem & Sec	8 th sem & B sec	USN:	4AL16CS070
Online Test Summary			
Subject	Introduction To Internet of Things(IOT)		
Max. Marks	30	Score	27
Certification Course Summary			
Course	Introduction To Ethical Hacking		
Certificate Provider	Great Learning Academy	Duration	6hrs
Coding Challenges			
Problem Statement: 1. Write a C Program to Reverse a Linked List in groups of given size			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		Prathiksha	
Uploaded the report in slack		Yes	

Online Test Details:

, your MCQ result is ready Inbox x

TG TechGig <user@techgig.com> [Unsubscribe](#) 9:30 AM (1 hour ago) ☆ ↩ ⋮
to me ▾




Hi ,

You have scored **27 marks** in **MCQ**.

[See Assessment](#)

About The Assessment


 IOT IA1
Round 1 ends on: 20 May, 2020


Warm Regards,
TechGig Team

Activate Windows
Go to Settings to activate Windows.

IA1 portion was Module 1 and 2.

Certification Course Details:











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Learning for Life



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 Platforms- 

Topic : Domains and progress implementation under ethical hacking.

Coding Challenges Details:

Program 1:

Test Case 1:

If a linked list is: $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 7 \rightarrow 8$

The value of size k is 2

Then the linked list looks like: $2 \rightarrow 1 \rightarrow 4 \rightarrow 3 \rightarrow 6 \rightarrow 5 \rightarrow 8 \rightarrow 7$

Test Case 2:

If a linked list is: $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 7 \rightarrow 8$

The value of size k is 3

Then the linked list looks like: $3 \rightarrow 2 \rightarrow 1 \rightarrow 6 \rightarrow 5 \rightarrow 4 \rightarrow 8 \rightarrow 7$

```
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);
```