

## **DAILY ONLINE ACTIVITIES SUMMARY**

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

## Online Test Details:

The screenshot shows a Gmail interface with a search bar containing 'techgig'. The inbox list on the left includes 'Inbox' (1,775), 'Starred', 'Snoozed', 'Sent', 'Drafts' (17), and 'More'. The main email view shows a message from 'TechGig <user@techgig.com>' with the subject 'your MCQ result is ready'. The email body contains the following text:

Hi ,

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

[See Assessment](#)

About The Assessment

IOT IA1  
Round 1 ends on: 20 May, 2020 (2 Minutes)

Warm Regards,

The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock displaying 20:13 on 20-05-2020.

## Certification Course Details:

The screenshot displays the 'greatlearning' website with the tagline 'Learning for Life'. The navigation bar includes 'CONTENT' and 'ASSESSMENTS'. The 'CONTENT' section is active, showing a list of 'Learning Videos'.

| Video Title  | Duration | Status                      |
|--|----------|-----------------------------|
| Career and Growth Ladder in Ethical Hacking              | 18m      | Completed (Green Checkmark) |
| Domains and Process Implementation under Ethical Hacking | 54m      | Completed (Green Checkmark) |
| Ethical Hacking in Network Architecture-Demonstration    | 48m      | Completed (Green Checkmark) |
| Ethical Hacking in Web Applications-Demonstration        | 50m      | In Progress (Blue Arrow)    |

A blue circular button with an upward arrow is visible at the bottom right of the video list.

## 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);
```

}