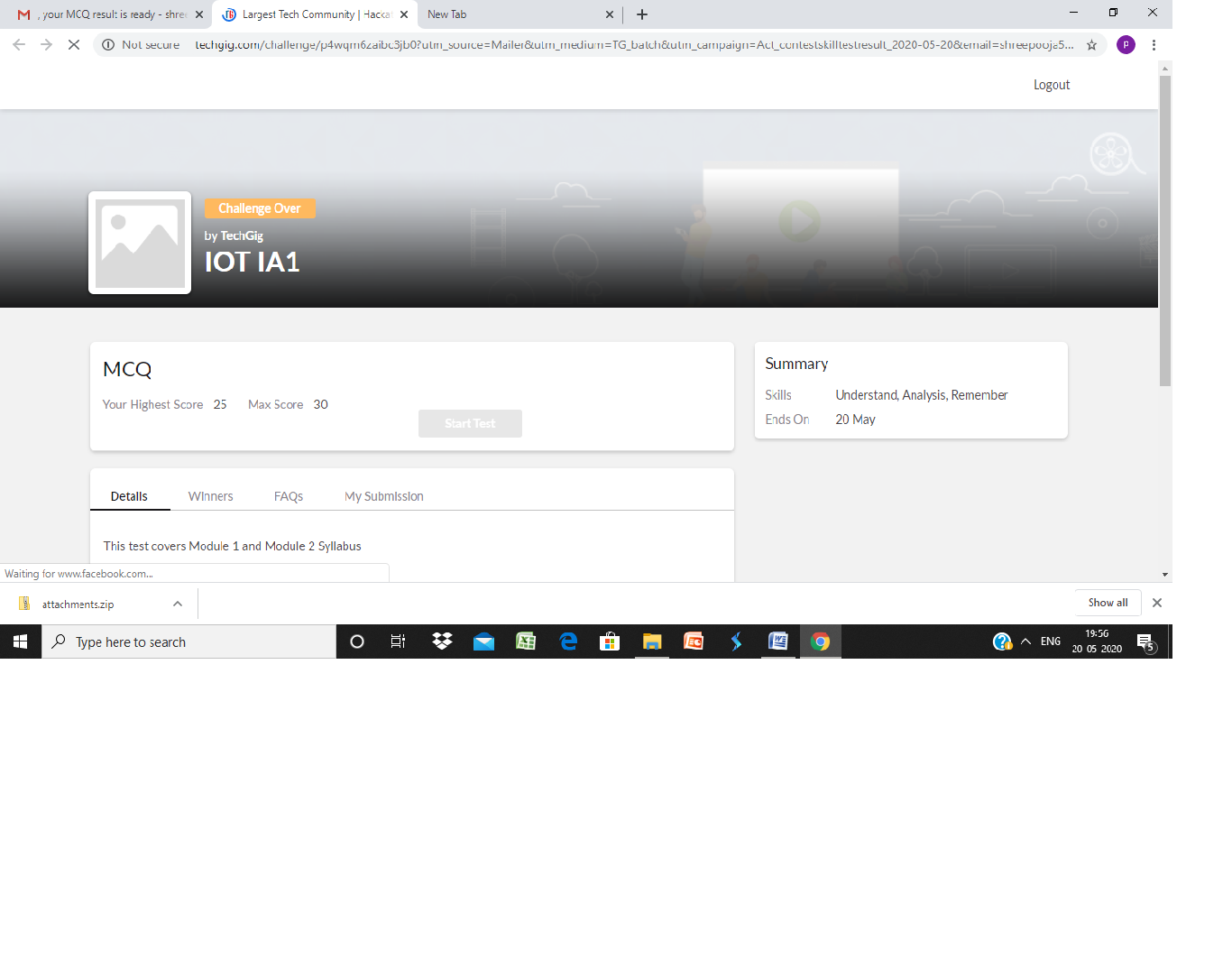
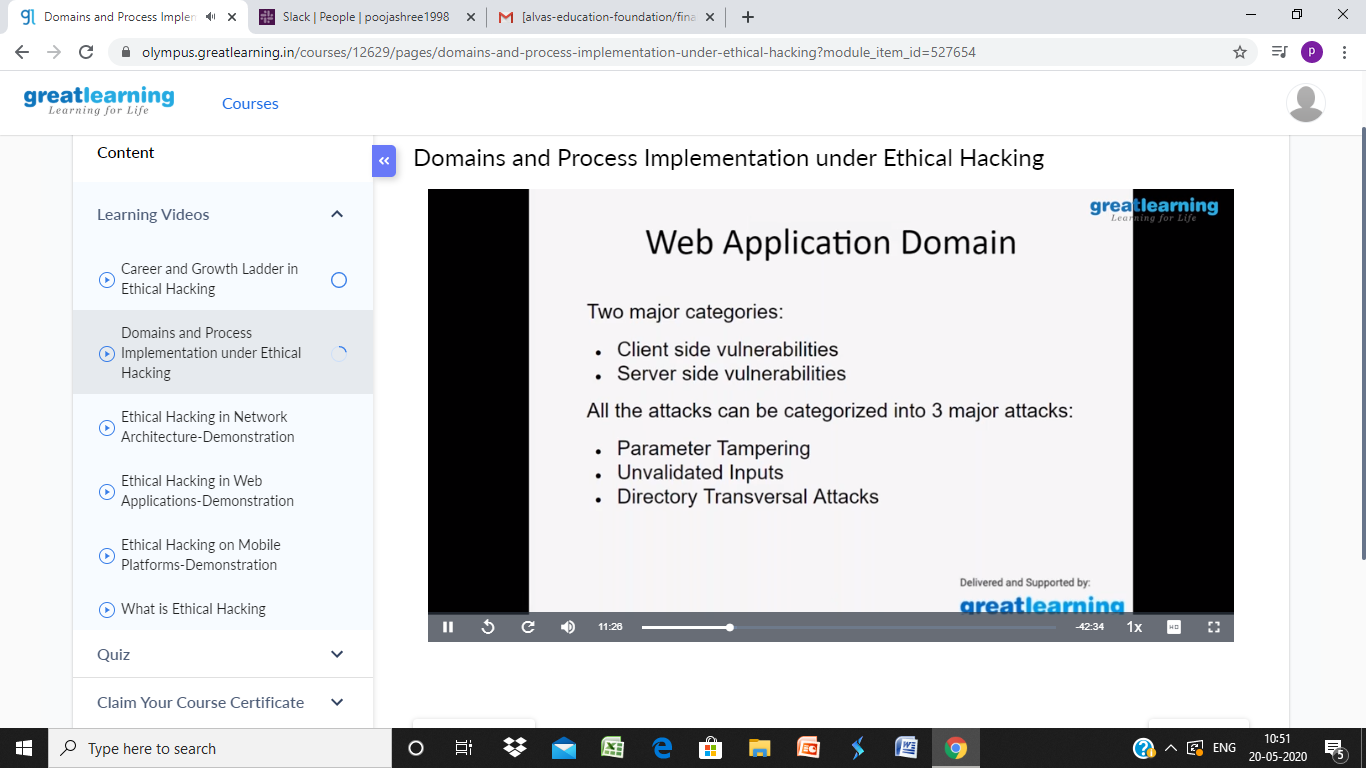
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **20-5-2020** | | | | | **Name:** | **poojashree** | |
| **Sem & Sec** | **8th sem A sec** | | | | | **USN:** | **4al16cs065** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **iot** | | | | | | |
| **Max. Marks** | | **30** | | **Score** | | | **25** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Introduction to ethical hacking** | | | | | | | |
| **Certificate Provider** | | | **Great learning academy** | | **Duration** | | | **6.5hr** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:** 1.**traversing using linkedlist**  **2.**.**Python program to exchange the values of two numbers using ^**  **3.write a program to reverse a number** | | | | | | | | |
| **Status:completed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **yes** | | | |
| **If yes Repository name** | | | | | **Poojashree1998** | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

Online test



Certification course



Coding

**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);

}

**Program 2  
Python program to exchange the values of two numbers using ^ (exclusive or operator)**

x=10  
y=12  
x = x ^ y;  
y = x ^ y;  
x = x ^ y;  
print ("After Swapping: x = ", x, " y =", y

**Program 3  
Write Python Program to Reverse a Given Number:**

n=int(input("Enter number: "))  
rev=0  
while(n>0):  
dig=n%10  
rev=rev\*10+dig  
n=n//10  
print("Reverse of the number:",rev)