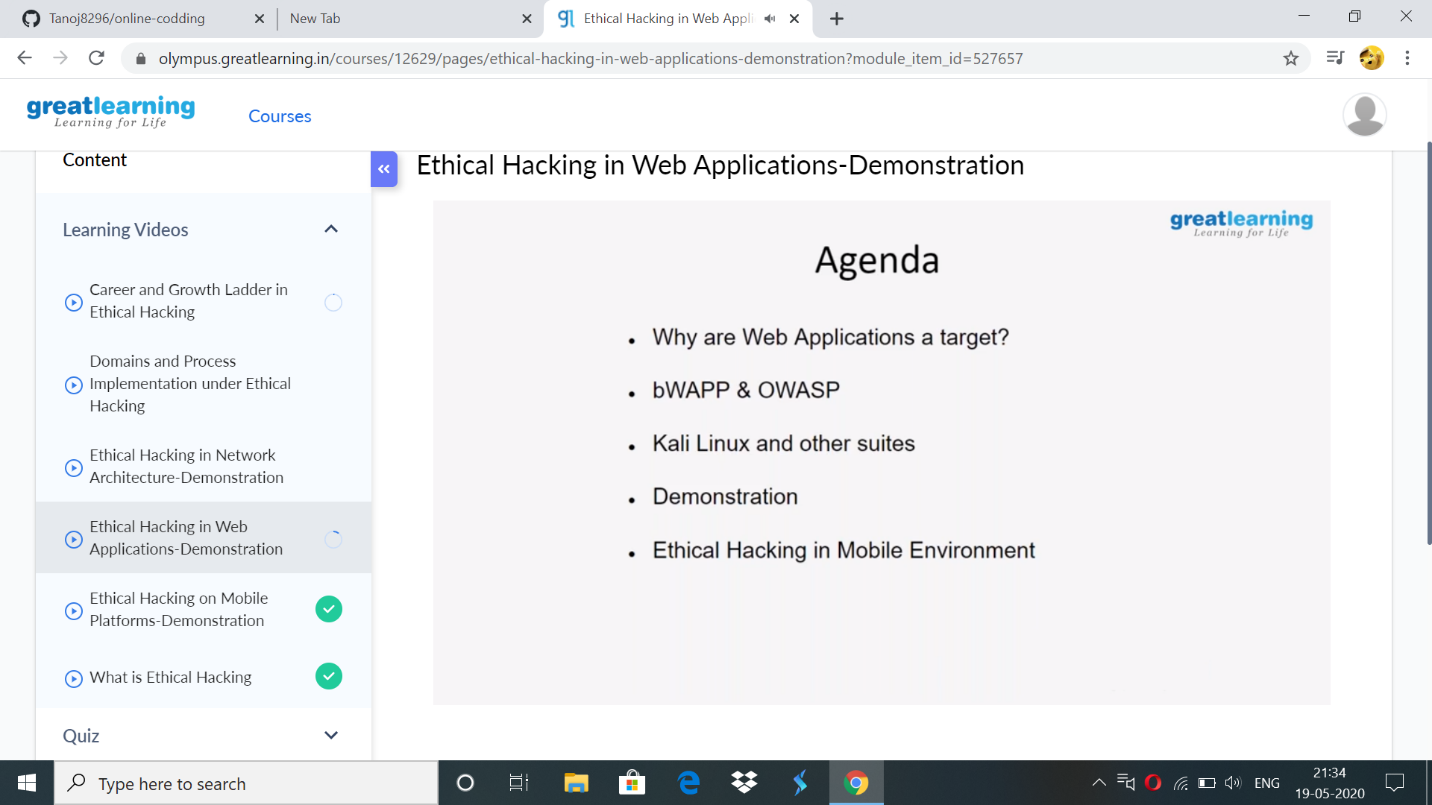
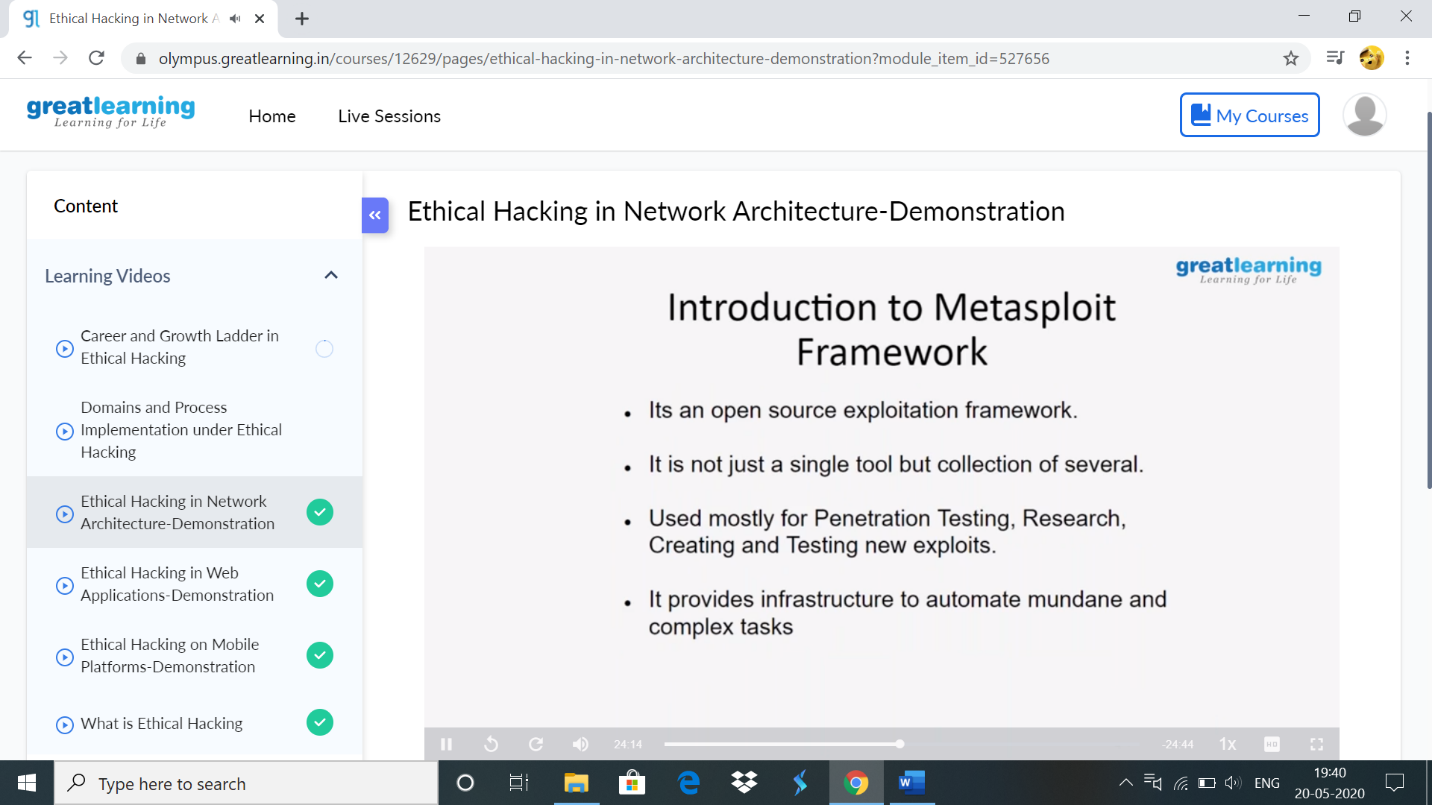
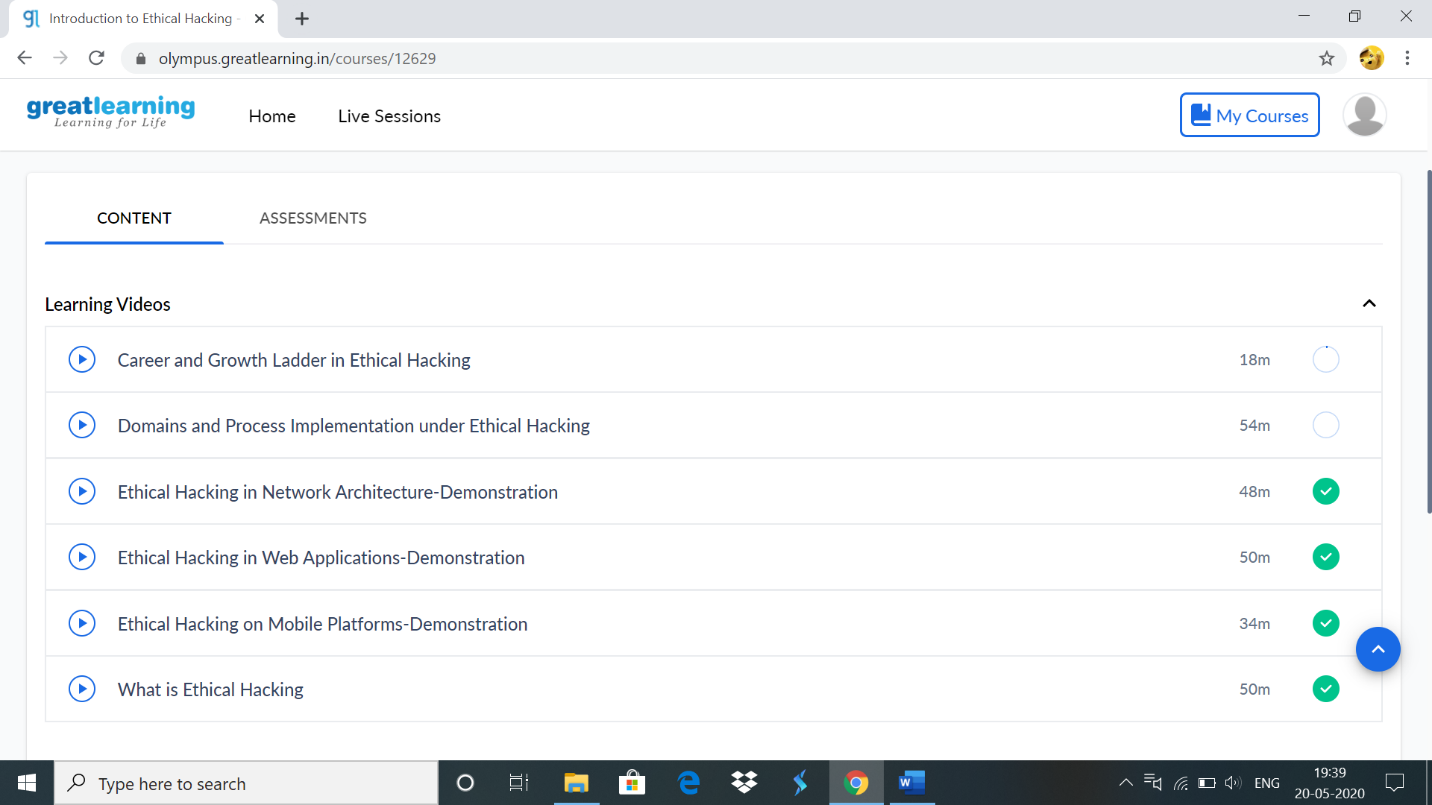
**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **20-05-2020** | | | | | **Name:** | **Tanoj** | |
| **Sem & Sec** | **VI A** | | | | | **USN:** | **4AL16CS** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **SSCD IA Test** | | | | | | |
| **Max. Marks** | | **30** | | **Score** | | | **20** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Ethical Hacking** | | | | | | | |
| **Certificate Provider** | | | **Great learning** | | **Duration** | | | **6 days** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement:**  **1.** **Write a C program to reverse a linked list in groups of given size**  . | | | | | | | | |
| **Status:Completed** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **Yes** | | | |
| **If yes Repository name** | | | | |  | | | |
| **Uploaded the report in slack** | | | | | **Yes** | | | |

**Online Certification Details**

Lesson-3

* Ethical Hacking in web applications -demonstration
* 
* Ethical Hacking in network architecture -demonstration

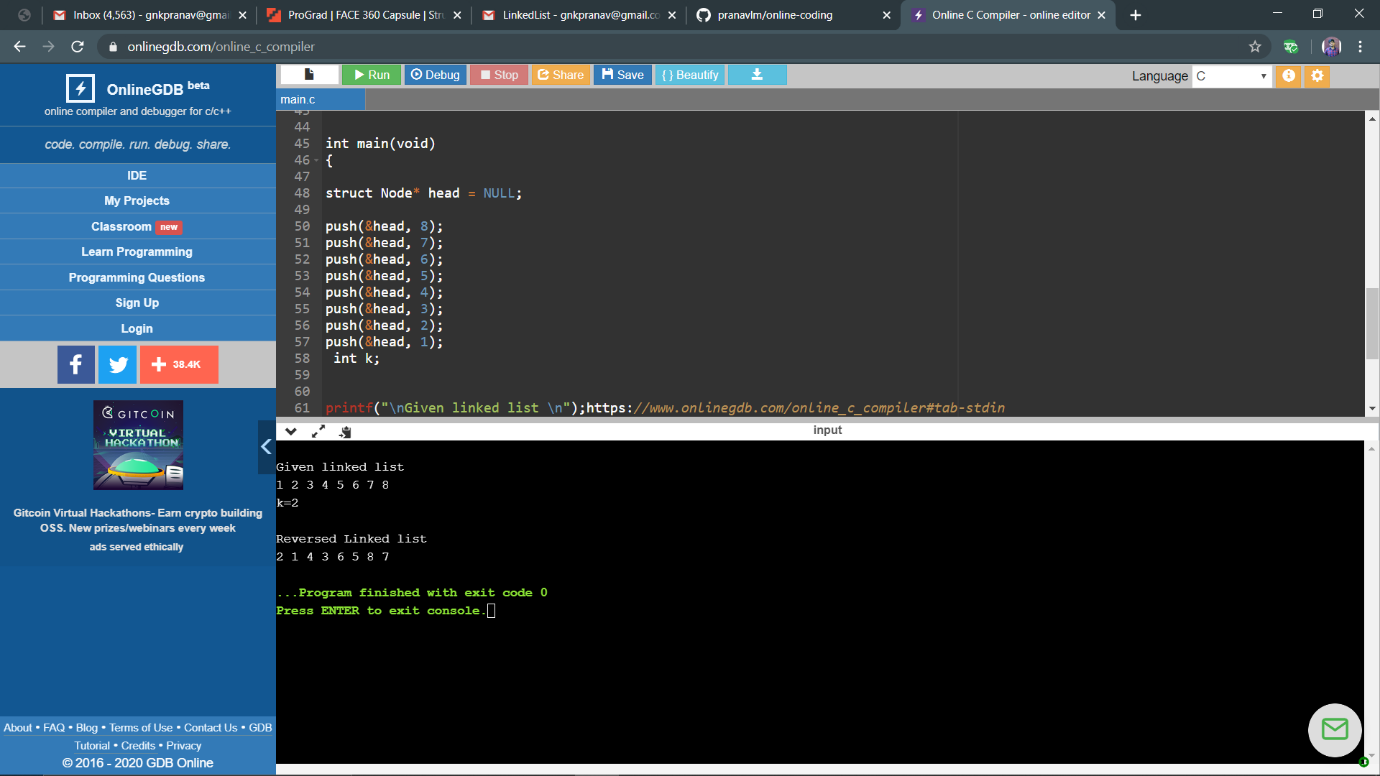


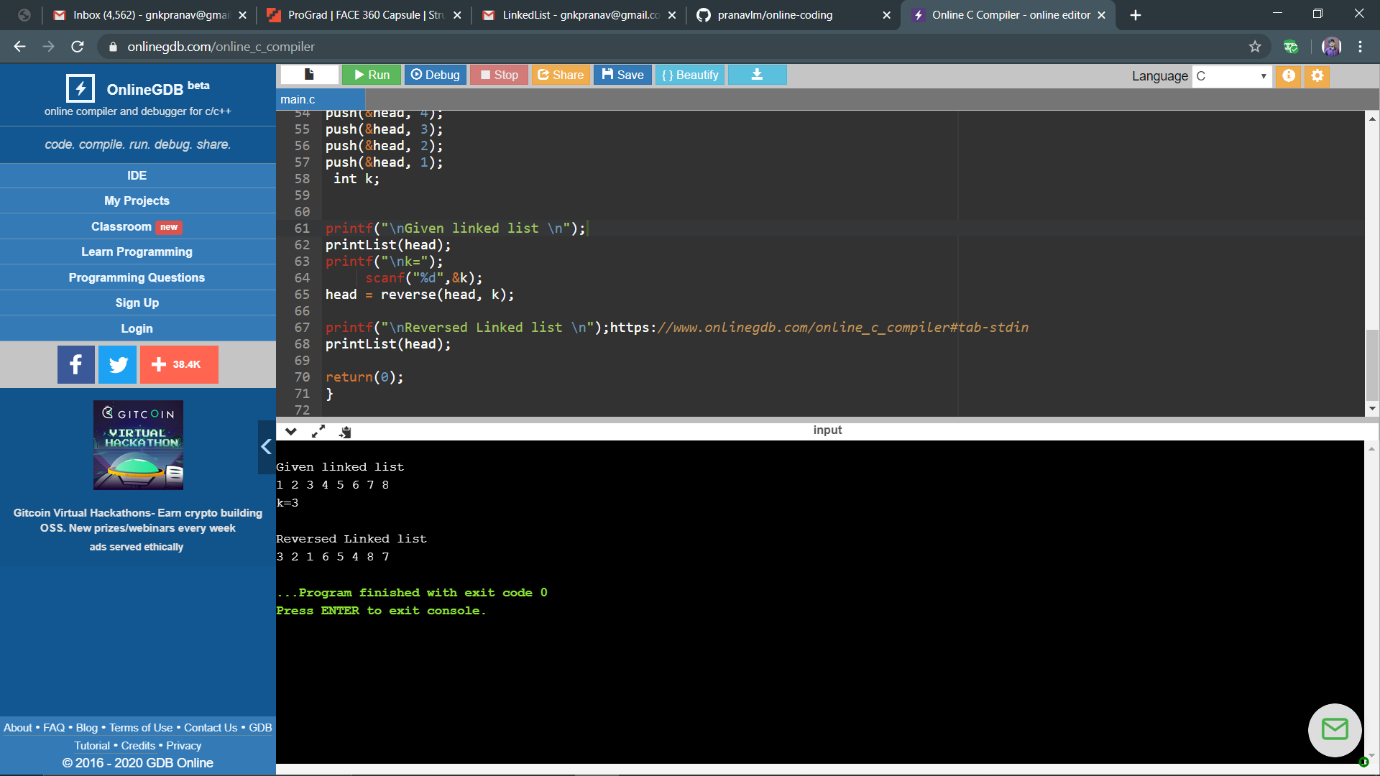
**Coding Challenge Details**

1. **Write a C program to reverse a linked list in groups of given size**

#include<stdio.h>  
#include<stdlib.h>  
struct Node  
{  
int data;  
struct Node\* next;  
};  
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);  
 int k;  
   
   
printf("\nGiven linked list \n");  
printList(head);  
printf("\nk=");  
     scanf("%d",&k);  
head = reverse(head, k);  
  
printf("\nReversed Linked list \n");  
printList(head);  
  
return(0);  
}

**Output**

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