

DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/5/2020	Name:	Divya C H
Sem & Sec	8 th Sem	USN:	4AL16CS033
Online Test Summary			
Subject	System Model-ing and Simulation		
Max. Marks	60	Score	60
Certification Course Summary			
Course	Introduction to Ethical Hacking		
Certificate Provider	greatlearning.in	Duration	6 hrs
Coding Challenges			
Problem Statement: 1) Write C Program to create Singly Liked List with n elements and reverse the elements using C 2) Python program in number right angled triangle 3) Write a menu program in Python to find Area-Circle, Circumference-Circle, Area-Square, Circumference-Square using functions with menu choice			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		Daily_report	
Uploaded the report in slack		yes	

Online Test Details:

The screenshot shows a Gmail interface with a message from TechGig. The email content includes a congratulatory message for clearing Round 1 of the SMS_II_IA assessment with a score of 60/60. It also features a 'View Achievement' button and details about the assessment, including the end date of May 21, 2020. The email is signed by the TechGig Team.

Divya C H, Round 1 cleared Inbox x

TechGig <user@techgig.com> [Unsubscribe](#)
to me

10:31 AM (4 minutes ago) ☆ ↶ ⋮

TECHGIG

Congratulations! Divya C H,

You've cleared Round 1 and scored **60/60** in SMS_II_IA. That's the maximum score one can reach in this assessment. View and share your achievement.

[View Achievement](#)

About The Assessment

SMS_II_IA
Round 1 ends on: 21 May, 2020 (29 Minutes)

Warm Regards,
TechGig Team

Certification Course Details:

The screenshot displays the Great Learning website for the 'Introduction to Ethical Hacking' course. The page shows the course title, a 'Course in Progress' status, and a list of learning videos with their durations and completion status.

olympus.greatlearning.in/courses/12629

greatlearning Learning for Life Home Live Sessions My Courses

Introduction to Ethical Hacking Course in Progress

CONTENT **ASSESSMENTS**

Learning Videos

Video Title	Duration	Status
Career and Growth Ladder in Ethical Hacking	18m	Completed
Domains and Process Implementation under Ethical Hacking	54m	Completed
Ethical Hacking in Network Architecture-Demonstration	48m	Completed
Ethical Hacking in Web Applications-Demonstration	50m	Completed
Ethical Hacking on Mobile Platforms-Demonstration	34m	Not Completed
What is Ethical Hacking	50m	Not Completed

Coding Challenges Details:

Program 1:

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
struct node
```

```
{
```

```
    int num;
```

```
    struct node *nextptr;
```

```
}*stnode;
```

```
void createNodeList(intn);
```

```
void reverseDispList();
```

```
void displayList();
```

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("\n\n Linked List : Create a singly linked list and  
    print it in reverse order :\n");
```

```
    printf("----- \n");
```

```
    printf(" Input the number of nodes : ");
```

```
    scanf("%d", &n);
```

```
    createNodeList(n);
```

```

        printf("\n Data entered in the list are : \n");
        displayList();
        reverseDispList();
        printf("\n The list in reverse are : \n");
        displayList();
        return 0;
}

```

```

void createNodeList(int n)
{
    struct node *fnNode, *tmp;
    int num, i;
    stnode = (struct node *)malloc(sizeof(struct node));
    if(stnode == NULL)
    {
        printf(" Memory can not be allocated.");
    }
    else
    {
        printf(" Input data for node 1 : ");
        scanf("%d", &num);
        stnode-> num = num;
        stnode-> nextptr = NULL;
        tmp = stnode;
    }
}

```

```

for(i=2; i<=n; i++)
{
    fnNode = (struct node *)malloc(sizeof(struct node));
    if(fnNode == NULL)
    {
        printf(" Memory can not be allocated.");
        break;
    }
    else
    {
        printf(" Input data for node %d : ", i);
        scanf(" %d", &num);
        fnNode->num = num;
        fnNode->nextptr = NULL;
        tmp->nextptr = fnNode;
        tmp = tmp->nextptr;
    }
}
}
}

```

```

void reverseDispList()
{
    struct node *prevNode, *curNode;

```

```

if(stnode != NULL)
{
    prevNode = stnode;
    curNode = stnode->nextptr;
    stnode = stnode->nextptr;

    prevNode->nextptr = NULL;

    while(stnode != NULL)
    {
        stnode = stnode->nextptr;
        curNode->nextptr = prevNode;

        prevNode = curNode;
        curNode = stnode;
    }
    stnode = prevNode;
}
}

```

```

void displayList()
{
    struct node *tmp;
    if(stnode == NULL)

```

```

{
    printf(" No data found in the list.");
}
else
{
    tmp = stnode;
    while(tmp != NULL)
    {
        printf(" Data = %d\n", tmp->num);
        tmp = tmp->nextptr;
    }
}
}

```

Program 2:

```

rows = int(input("enter number of rows "))
for i in range(0, rows + 1):
    for j in range(rows - i, 0, -1):
        print(j, end='')
    print()

```

Program 3:

```

def AreaCircle(r):
    return 3.142*r*r

```

```

def CircumferenceCircle(r):
    return 2*3.142*r

```

```
def AreaSquare(b,h):
```

```
    return b*h
```

```
def CircumferenceSquare(h):
```

```
    return 4*h
```

```
def circle():
```

```
    r=float(input("Enter Radius Of Circle : "))
```

```
    a=AreaCircle(r)
```

```
    print("Area Of Circle: ",a)
```

```
    c=CircumferenceCircle(r)
```

```
    print("Circumference Of Circle is: ",c)
```

```
    print("\n ----- \n")
```

```
    return
```

```
def square():
```

```
    b=float(input('Enter Base Of Square : '))
```

```
    h=float(input('Enter Height Of Square : '))
```

```
    A=AreaSquare(b,h)
```

```
    print("Area Of Square is: ",A)
```

```
    CS=CircumferenceSquare(h)
```

```
    print("Circumference Of Square is: ",CS)
```

```
    print("\n ----- \n")
```



```
return
```

```
while(1):
```

```
    n=int(input("1: CILRCLE\n2: SQUARE\n3: EXIT\n"))
```

```
    print("\n ----- \n")
```

```
    if n==1:
```

```
        circle()
```

```
    elif n==2:
```

```
        square()
```

```
    else:
```

```
        exit(0)
```