

DAILY ONLINE ACTIVITIES SUMMARY

Date:	21/05/2020	Name:	Prathiksha
Sem & Sec	8 th sem & B sec	USN:	4AL16CS070
Online Test Summary			
Subject	System Modelling and Simulation(SMS)		
Max. Marks	60	Score	30
Certification Course Summary			
Course	Introduction To Ethical Hacking		
Certificate Provider	Great Learning Academy	Duration	6hrs
Coding Challenges			
Problem Statement: 1. Given an array, rotate the array to the right by k steps, where k is non-negative. 2. Reverse a number in Python.			
Status: Solved			
Uploaded the report in Github		Yes	
If yes Repository name		Prathiksha	
Uploaded the report in slack		Yes	

Online Test Details:

Inbox (9) - prathiksha1698@gmail.com x Largest Tech Community | Hacka x +

techgig.com/challenge/result/sms1/cjNJRlINSW9wQnA0VEZFc3krUy9QUT09

prathiksha1698@gmail.com Logout

Test Completed!

You have successfully participated in SMS_II_IA.

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Results Analytics

✓ SMS1

Your Score **30** / 60

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IA1 portion was Random Variets.

Certification Course Details:

Result - prathiksha1698@gmail.com x Ethical Hacking in Network x +

olympus.greatlearning.in/courses/12629/pages/ethical-hacking-in-network-architecture-demonstration?module_item_id=527656

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- Domains and Process Implementation under Ethical Hacking ✓
- Ethical Hacking in Network Architecture-Demonstration
- Ethical Hacking in Web Applications-Demonstration
- Ethical Hacking on Mobile Platforms-Demonstration
- What is Ethical Hacking

Quiz

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OSI Model

APPLICATION LAYER	7	Human-computer interaction layer, where applications can access the network services
PRESENTATION LAYER	6	Ensures that data is in a usable format and is where data encryption occurs
SESSION LAYER	5	Maintains connections and is responsible for controlling ports and sessions
TRANSPORT LAYER	4	Transmits data using transmission protocols including TCP and UDP
NETWORK LAYER	3	Decides which physical path the data will take
DATALINK LAYER	2	Defines the format of data on the network
PHYSICAL LAYER	1	Transmits raw bit stream over the physical medium

13:01 -35:57 1x

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Quiz

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TCP 3 Way Handshake

Client State changes to SYN-SENT

Server State changes to SYN-RECEIVED

Client State changes to ESTABLISHED

Server State changes to ESTABLISHED

SYN seq: 100

SYN-ACK seq: 200 ack: 101

ACK seq: 101 ack: 201

23:17 -25:41 1x

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11:01 21-05-2020

Topic : Ethical Hacking in network Architecture Demonstration with OSI model and 3 way Hand shake .

Coding Challenges Details:

Program 1:

```
#include <stdio.h>
void rightRotate(int A[], int k, int n)
{
    int aux[k];
    for (int i = 0; i < k; i++)
        aux[i] = A[n-k+i];
    for (int i = n-k-1; i >= 0; i--)
        A[i+k] = A[i];
    for (int i = 0; i < k; i++)
        A[i] = aux[i];
}
int main(void)
{
    int A[] = { -1,-100,3,99 };
    int k = 2;
    int n = sizeof(A)/sizeof(A[0]);
    rightRotate(A, k, n);
    for (int i = 0; i < n; i++)
        printf("%d ", A[i]);
    return 0;
}
```

Program 2:

```
Number = int(input("Please Enter any Number: "))
Reverse = 0
while(Number > 0):
    Reminder = Number % 10
    Reverse = (Reverse *10) + Reminder
    Number = Number //10

print("\n Reverse of entered number is = %d" %Reverse)
```