4DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20/06/2020**	**Name:**	**M MAHAMMAD ASIF**
Sem & Sec	**4th Sem & 'A' Sec**	**USN:**	**4AL18CS045**

Online Test Summary

Subject	**Data Communication.**		
Max. Marks	**30**	**Score**	**24**

Certification Course Summary

Course	**Java Programming-Complete Beginner to Advanced**		
Certificate Provider	**Udamy**	**Duration**	**2 Hours**

Coding Challenges

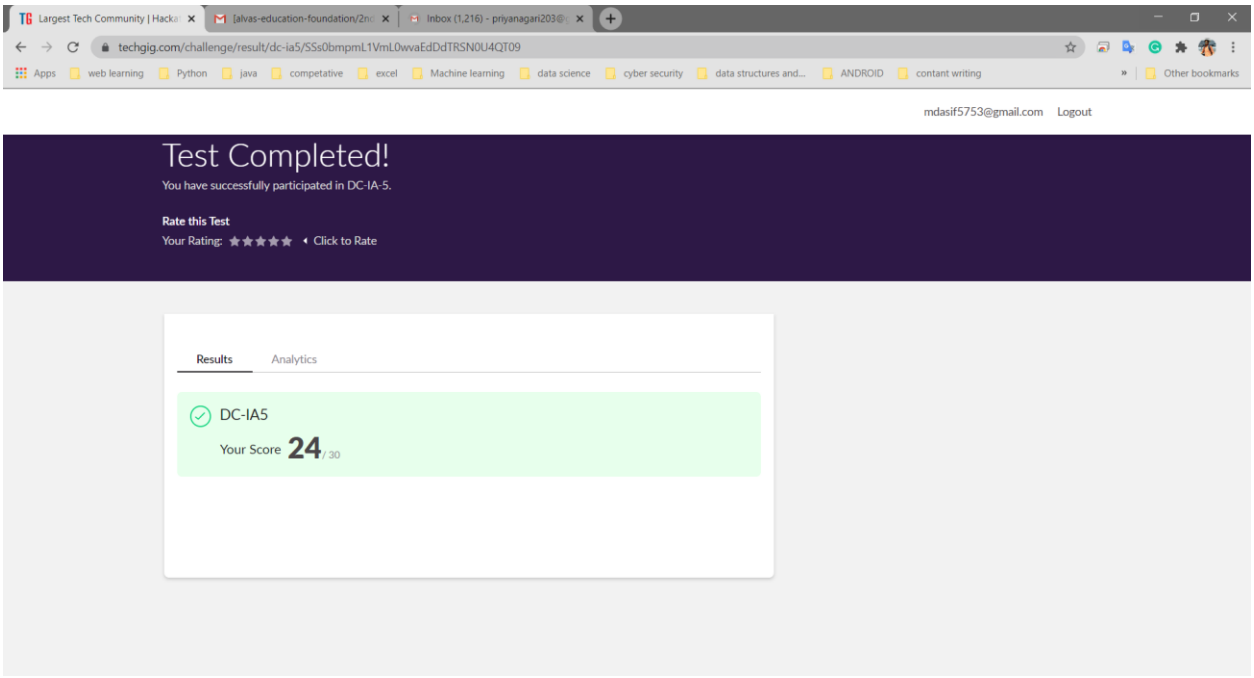
Problem Statement: 1. C Program to rotate an array by K positions.
2. Java program to count number of bits to be flipped to convert A to B.

Status: Completed

Uploaded the report in Github	**Yes**
If yes Repository name	**https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF**
Uploaded the report in slack	**Yes**

Online Test Details: Today on the subject Data Communication test was conducted. Test consists of 30 MCQs of 1 mark each. I had scored 24 marks out of 30 marks.

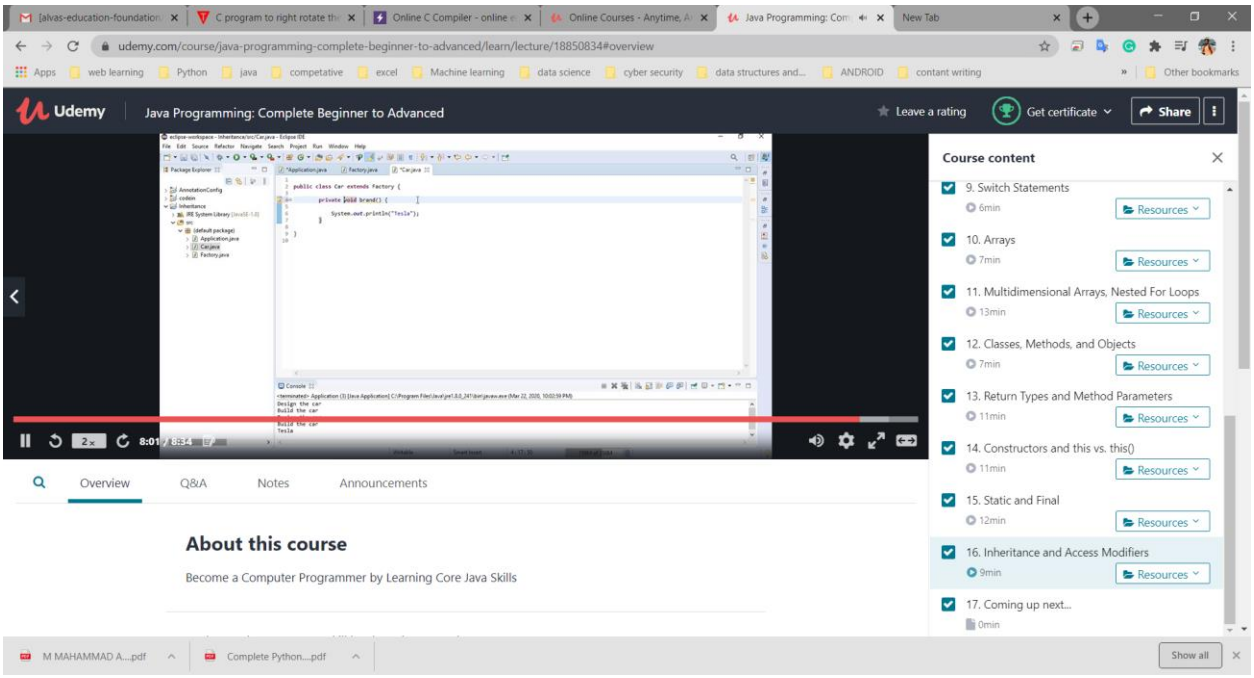
Snapshot:



Certification Course Details: Today I started another course that is "Java Programming-Complete Beginner to Advanced" and i had completed it. This was about 2 hours of Duration. I uploaded this course certificate in the folder named "Completed course certificates".

In additional to this some other online courses I had completed, as a proof of it, I uploaded the Certificates in other folder named "Completed course certificates."

Snapshot:



Above is the Snapshot of today's certification course.

Coding Challenges Details: Today Three program questions were given. The first c program problem was given by Prof Venkatesh, the java program was given by Prof Shilpa and the other java program was given by Prof Vasudev. I had solved two problems and I uploaded the code in GitHub. The two problem statements were:

1. C Program to rotate an array by K positions.

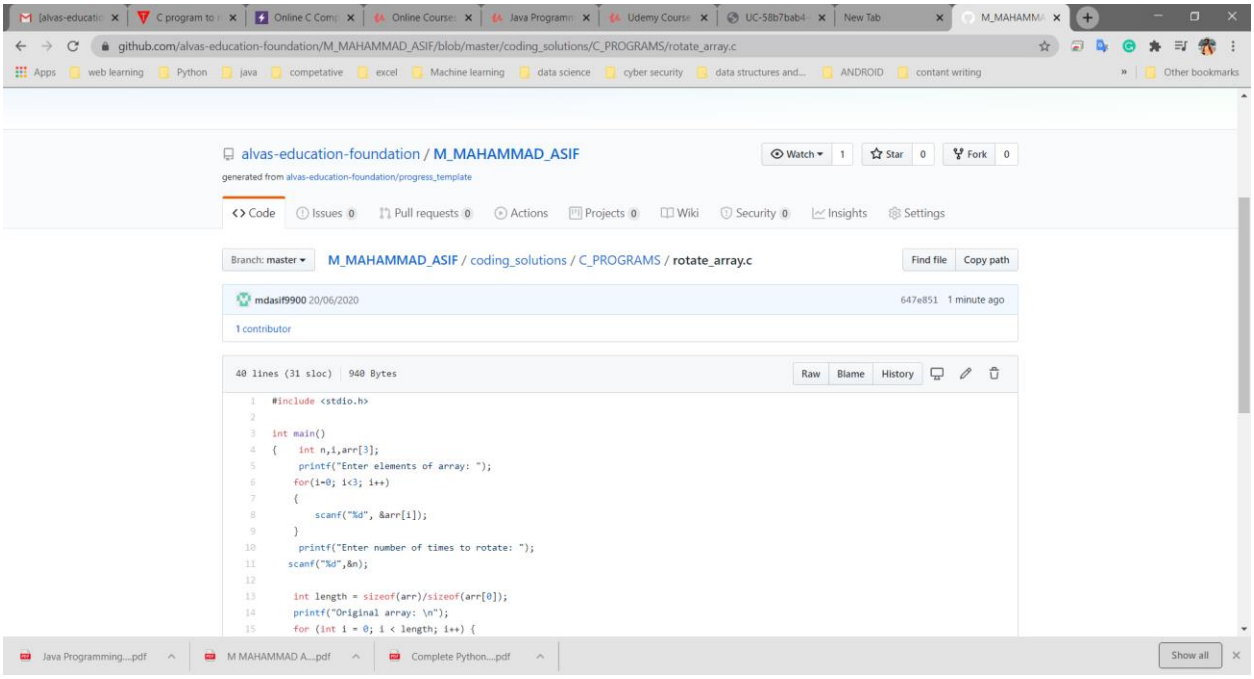
Circular array rotation means rotating the elements in the array where one rotation operation moves the last element of the array to the first position and shifts all remaining elements to the right.

For example, consider the following array = [4, 5, 6],
• Initial array [4, 5, 6]
• After one rotation [6, 4, 5]
• After two rotations [5, 6, 4]

OUTPUT

Element at index 0: 5
Element at index 1: 6
Element at index 2: 4

Snapshot:



2. Java program to count number of bits to be flipped to convert A to B.

Given two numbers ‘a’ and b’. Write a program to count number of bits needed to be flipped to convert ‘a’ to ‘b’.
Example :

Input : a = 10, b = 20
Output : 4
Binary representation of a is 00001010
Binary representation of b is 00010100
We need to flip highlighted four bits in a to make it b.

Snapshot: