DAILY ONLINE ACTIVITIES SUMMARY

Date:	**22/06/2020**	**Name:**	**Pramod R**
Sem & Sec	**4th sem B section**	**USN:**	**4AL18CS059**

Online Test Summary

Subject	**-**		
Max. Marks	**-**	**Score**	**-**

Certification Course Summary

Course	**Java Programming for Complete Beginners**		
Certificate Provider	**Udemy**	**Duration**	**1 Hour**

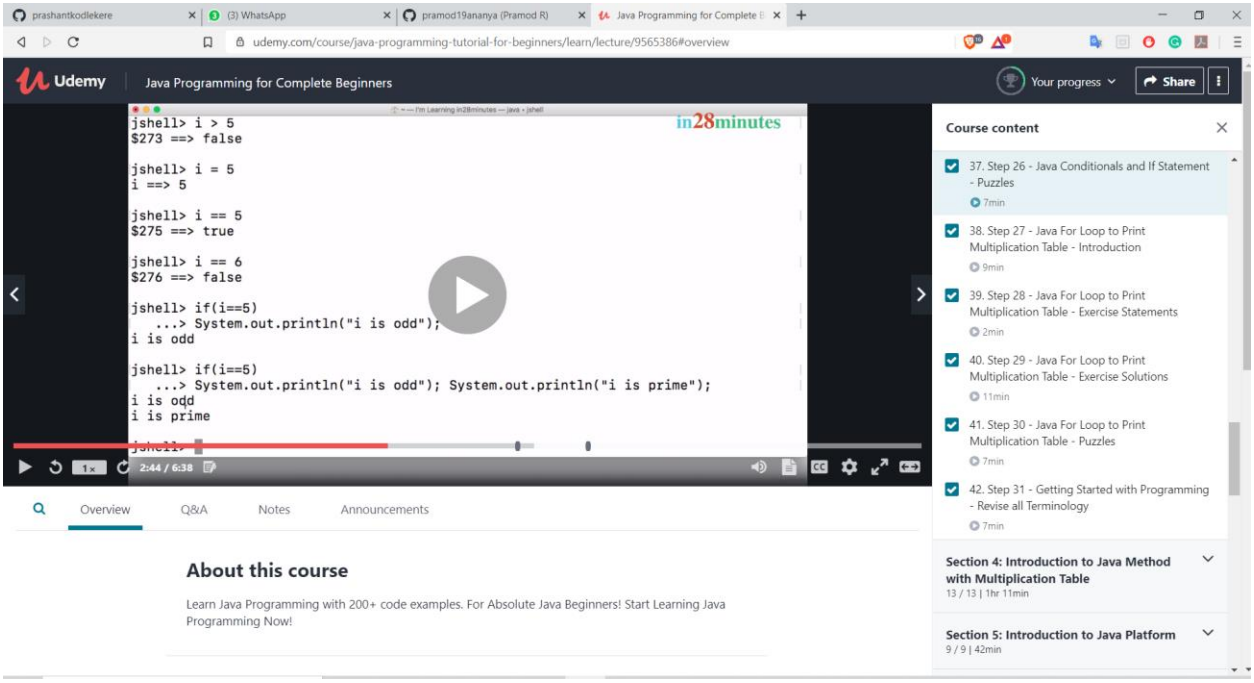
Coding Challenges

Problem Statement: Write a Java program for modular exponentiation.

Status: Completed

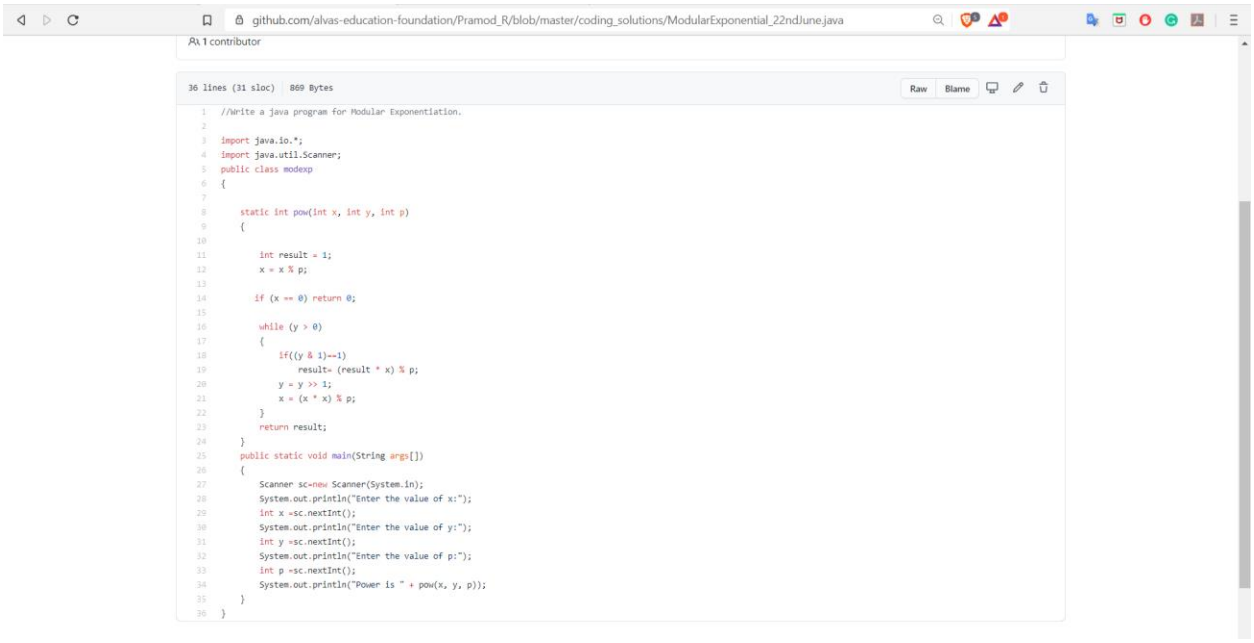
Uploaded the report in Github	**YES**
If yes Repository name	https://github.com/alvas-education-foundation/Pramod_R
Uploaded the report in slack	**YES**

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



The course I have chosen during the lockdown period is **Java Programming for Complete Beginners**. Since I had previously knew few topics about Java I am continuing this course. Since Java is used in major application development, I have chosen this course.

Coding Challenges Details: (Attach the snapshot and briefly write the report for the following)


github.com/alvas-education-foundation/Pramod_R/blob/master/coding_solutions/ModularExponential_22ndJune.java

1 contributor

36 lines (31 sloc) 869 Bytes Raw Blame

```
//Write a java program for Modular Exponentiation.

import java.io.*;
import java.util.Scanner;
public class modexp
{

    static int pow(int x, int y, int p)
    {

        int result = 1;
        x = x % p;

       if (x == 0) return 0;

        while (y > 0)
        {
            if((y & 1)==1)
                result= (result * x) % p;
            y = y >> 1;
            x = (x * x) % p;
        }
        return result;
    }
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the value of x:");
        int x =sc.nextInt();
        System.out.println("Enter the value of y:");
        int y =sc.nextInt();
        System.out.println("Enter the value of p:");
        int p =sc.nextInt();
        System.out.println("Power is " + pow(x, y, p));
    }
}
```

The question I took to code is:

Write a Java program for modular exponentiation.

Solution: The above snapshot is the code which I have uploaded in my Github repository