

DAILY ONLINE ACTIVITIES SUMMARY

Date:	22/06/2020	Name:	Pramod R
Sem & Sec	4 th 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 screenshot shows a web browser displaying a Udemy course page. The browser's address bar shows the URL: `udemy.com/course/java-programming-tutorial-for-beginners/learn/lecture/9565386#overview`. The page title is "Java Programming for Complete Beginners". The main content area features a video player with a code editor overlay. The code in the editor is as follows:

```
jschell> i > 5
$273 ==> false

jschell> i = 5
i ==> 5

jschell> i == 5
$275 ==> true

jschell> i == 6
$276 ==> false

jschell> if(i==5)
...> System.out.println("i is odd");
i is odd

jschell> if(i==5)
...> System.out.println("i is odd"); System.out.println("i is prime");
i is odd
i is prime
```

The video player has a progress bar at the bottom showing 2:44 / 6:38. To the right of the video player is a sidebar titled "Course content" which lists the following items:

- 37. Step 26 - Java Conditionals and If Statement - Puzzles (7min)
- 38. Step 27 - Java For Loop to Print Multiplication Table - Introduction (9min)
- 39. Step 28 - Java For Loop to Print Multiplication Table - Exercise Statements (2min)
- 40. Step 29 - Java For Loop to Print Multiplication Table - Exercise Solutions (11min)
- 41. Step 30 - Java For Loop to Print Multiplication Table - Puzzles (7min)
- 42. Step 31 - Getting Started with Programming - Revise all Terminology (7min)

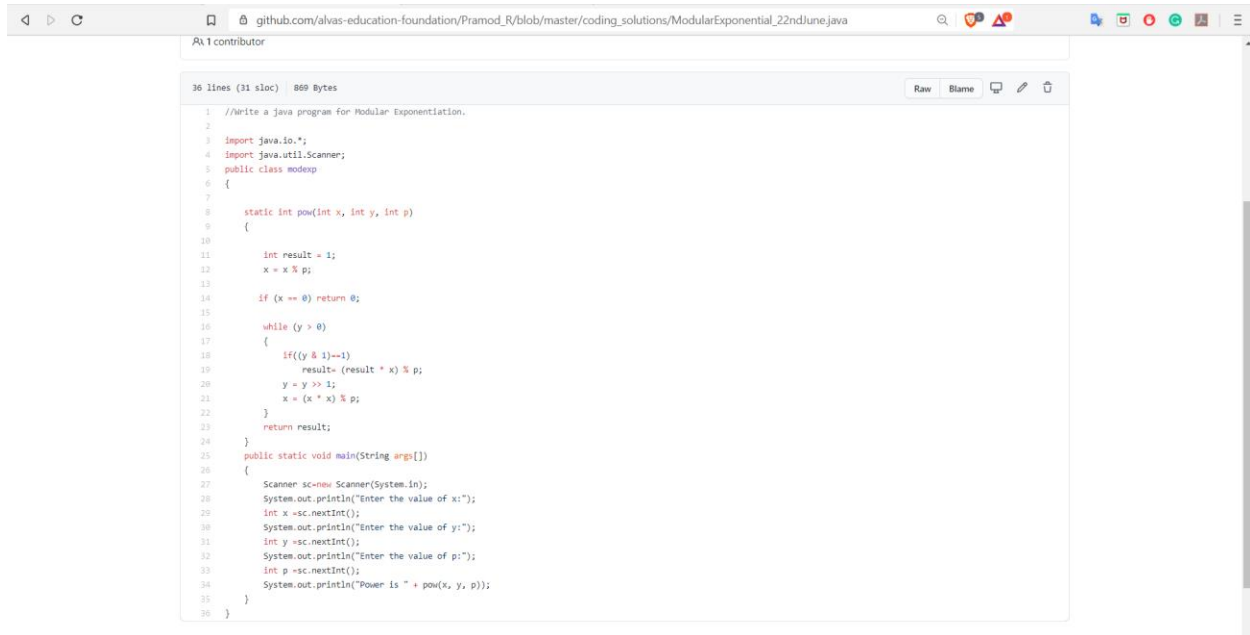
Below the course content list, there are two sections:

- Section 4: Introduction to Java Method with Multiplication Table (13 / 13 | 1hr 11min)
- Section 5: Introduction to Java Platform (9 / 9 | 42min)

At the bottom of the page, there is a section titled "About this course" with the text: "Learn Java Programming with 200+ code examples. For Absolute Java Beginners! Start Learning Java Programming Now!"

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)



The screenshot shows a web browser displaying a GitHub repository page. The URL in the address bar is `github.com/alvas-education-foundation/Pranod_R/blob/master/coding_solutions/ModularExponential_22ndJune.java`. The page shows a Java file named `ModularExponential_22ndJune.java` with 36 lines of code. The code is as follows:

```
1 //Write a java program for Modular Exponentiation.
2
3 import java.io.*;
4 import java.util.Scanner;
5 public class modexp
6 {
7
8     static int pow(int x, int y, int p)
9     {
10
11         int result = 1;
12         x = x % p;
13
14         if (x == 0) return 0;
15
16         while (y > 0)
17         {
18             if((y & 1) == 1)
19                 result = (result * x) % p;
20             y = y >> 1;
21             x = (x * x) % p;
22         }
23         return result;
24     }
25     public static void main(String args[])
26     {
27         Scanner sc = new Scanner(System.in);
28         System.out.println("Enter the value of x:");
29         int x = sc.nextInt();
30         System.out.println("Enter the value of y:");
31         int y = sc.nextInt();
32         System.out.println("Enter the value of p:");
33         int p = sc.nextInt();
34         System.out.println("Power is " + pow(x, y, p));
35     }
36 }
```

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