

**4DAILY ONLINE ACTIVITIES SUMMARY**

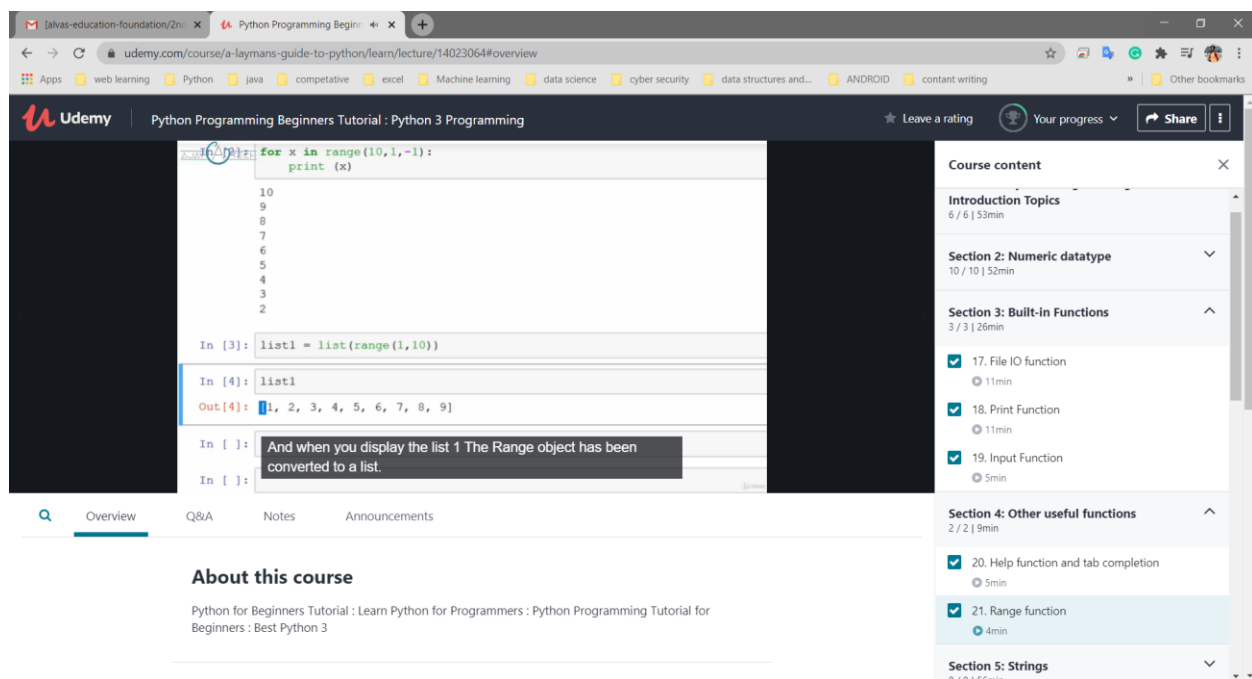
<b>Date:</b>	<b>22/06/2020</b>	<b>Name:</b>	<b>M MAHAMMAD ASIF</b>
<b>Sem &amp; Sec</b>	<b>4<sup>th</sup> Sem &amp; 'A' Sec</b>	<b>USN:</b>	<b>4AL18CS045</b>
<b>Online Test Summary</b>			
<b>Subject</b>	<b>-</b>		
<b>Max. Marks</b>	<b>-</b>	<b>Score</b>	<b>-</b>
<b>Certification Course Summary</b>			
<b>Course</b>	<b>Python Programming Beginner's Tutorial: python 3 Programming.</b>		
<b>Certificate Provider</b>	<b>Udemy</b>	<b>Duration</b>	<b>13.5 Hours</b>
<b>Coding Challenges</b>			
<b>Problem Statement: 1. Java Program for Modular Exponentiation.</b>			
<b>Status: Completed</b>			
<b>Uploaded the report in Github</b>		<b>Yes</b>	
<b>If yes Repository name</b>		<a href="https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF">https://github.com/alvas-education-foundation/M_MAHAMMAD_ASIF</a>	
<b>Uploaded the report in slack</b>		<b>Yes</b>	

**Online Test Details:** Today test was not conducted.

**Certification Course Details:** Today I started another course that is “Python Programming Beginner’s Tutorial: python 3 Programming”. This was about 13.5 hours of Duration. Today I had studied Introduction of python, Numeric data type, Built-in Functions and other useful functions.

In addition 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:**

The screenshot shows a web browser displaying a Udemy course page. The browser's address bar shows the URL 'udemy.com/course/a-laymans-guide-to-python/learn/lecture/14023064#overview'. The page title is 'Python Programming Beginners Tutorial: Python 3 Programming'. The main content area shows a code editor with a Python script: 

```
for x in range(10,1,-1):  
    print(x)
```

 Below the code editor, there are input/output blocks. The input shows 'In [3]: list1 = list(range(1,10))' and 'In [4]: list1'. The output shows 'Out[4]: [1, 2, 3, 4, 5, 6, 7, 8, 9]'. A text box below the output says 'And when you display the list 1 The Range object has been converted to a list.' The right sidebar shows the 'Course content' section with a list of topics: 'Introduction Topics' (6 / 6 | 53min), 'Section 2: Numeric datatype' (10 / 10 | 52min), 'Section 3: Built-in Functions' (3 / 3 | 26min), 'Section 4: Other useful functions' (2 / 2 | 9min), and 'Section 5: Strings' (1 / 1 | 54min). The 'Section 3: Built-in Functions' section is expanded, showing a list of topics: '17. File IO function' (11min), '18. Print Function' (11min), and '19. Input Function' (5min). The 'Section 4: Other useful functions' section is also expanded, showing '20. Help function and tab completion' (5min) and '21. Range function' (4min). The bottom of the page shows the 'About this course' section with the text 'Python for Beginners Tutorial: Learn Python for Programmers: Python Programming Tutorial for Beginners: Best Python 3'.

**Above is the Snapshot of today’s certification course.**

**Coding Challenges Details:** Today one C-program question was given by Prof Shilpa. I had solved the problem and I uploaded the code in GitHub. The problem statement was:

## 1. Java Program for Modular Exponentiation.

Given three numbers  $x$ ,  $y$  and  $p$ , compute  $(x^y) \% p$ .

Input:  $x = 2$ ,  $y = 3$ ,  $p = 5$

Output: 3

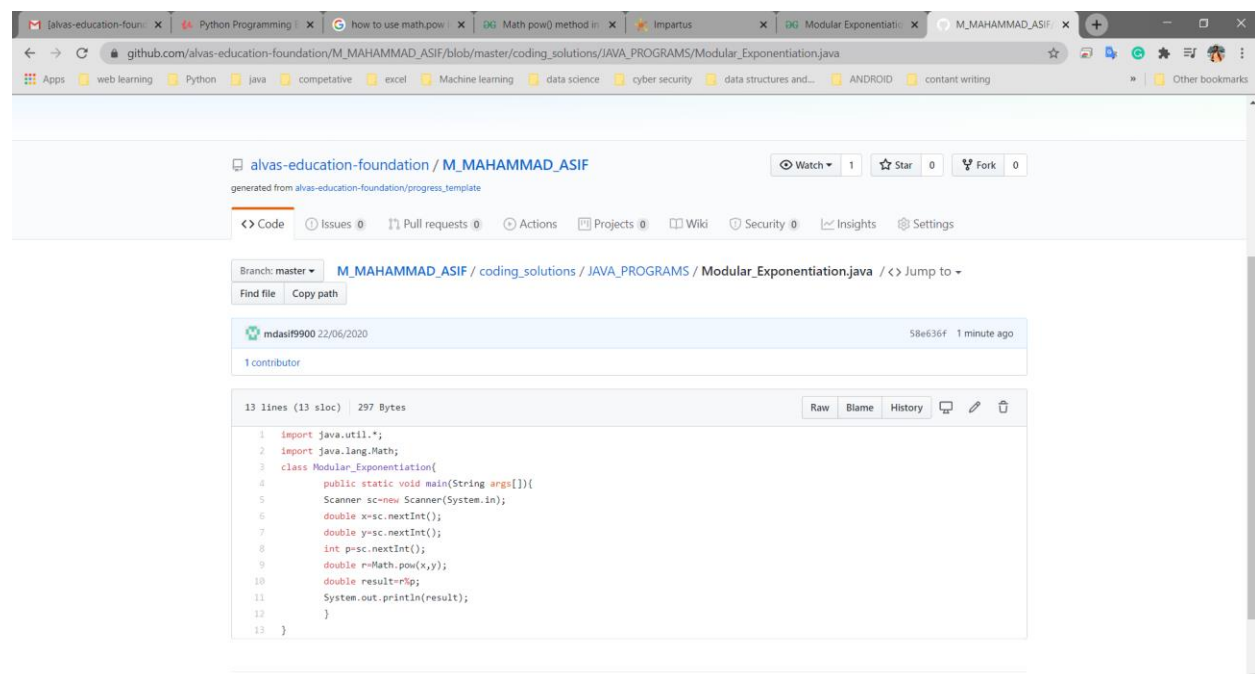
Explanation:  $2^3 \% 5 = 8 \% 5 = 3$ .

Input:  $x = 2$ ,  $y = 5$ ,  $p = 13$

Output: 6

Explanation:  $2^5 \% 13 = 32 \% 13 = 6$ .

**Snapshot:**



The screenshot shows a web browser displaying a GitHub repository page. The browser's address bar shows the URL: `github.com/alvas-education-foundation/M_MAHAMMAD_ASIF/blob/master/coding_solutions/JAVA_PROGRAMS/Modular_Exponentiation.java`. The repository page header shows the repository name `alvas-education-foundation / M_MAHAMMAD_ASIF` with 1 Watch, 0 Stars, and 0 Forks. Below the header, there are tabs for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The 'Code' tab is selected, showing the file `Modular_Exponentiation.java` in the `coding_solutions / JAVA_PROGRAMS` directory. The file was last committed by `mdasi9900` on 22/06/2020. The code is displayed in a light blue editor with line numbers 1 to 13. The code imports `java.util.*` and `java.lang.Math`, defines a `Modular_Exponentiation` class, and includes a `main` method that takes command-line arguments, reads three integers `x`, `y`, and `p` from the scanner, calculates `Math.pow(x,y)`, and prints the result modulo `p`.

```
1 import java.util.*;
2 import java.lang.Math;
3 class Modular_Exponentiation{
4     public static void main(String args[]){
5         Scanner sc=new Scanner(System.in);
6         double x=sc.nextInt();
7         double y=sc.nextInt();
8         int p=sc.nextInt();
9         double r=Math.pow(x,y);
10        double result=r%p;
11        System.out.println(result);
12    }
13 }
```

