

DAILY ONLINE ACTIVITIES SUMMARY

Date:	18/5/2020	Name:	Sumana
Sem & Sec	8 th Sem B	USN:	4AL16CS107
Online Test Summary			
Subject	System Modelling and Simulation		
Max. Marks	60	Score	43
Certification Course Summary			
Course	Introduction to Ethical Hacking		
Certificate Provider	greatlearning.in	Duration	6 hrs
Coding Challenges			
<p>ProblemStatement: Using methods charAt() & length() of String class, write a program to print the frequency of each character in a string. "Hello friend"</p> <p>Write down a java program to print even and odd numbers series respectively from two threads: t1 and t2 synchronizing on a shared object Let t1 print message "ping – >" and t2 print message ",--pong".</p>			
Status: Completed			
Uploaded the report in Github		Yes	
If yes Repository name		Alvas-education-foundation/Sumana	
Uploaded the report in slack		yes	

Coding Challenges Details:

```
1.import java.util.Scanner;
public class StringOperators
{
    public static void main(String args[])
    {
        int i;
        String str;
        int counter[] = new int[256];
        Scanner in = new Scanner(System.in);
        System.out.print("Enter a String : ");
        str=in.nextLine();
        for (i = 0; i < str.length(); i++)
        {
            counter[(int) str.charAt(i)]++;
        }
        for (i = 0; i < 256; i++)
        {
            if (counter[i] != 0)
            {
                System.out.println((char) i + ":-" + counter[i] + " times");
            }
        }
    }
}
```

```
2.
public class PingPong extends Thread
{
    static StringBuilder object = new StringBuilder("");
    public static void main(String[] args) throws InterruptedException
    {
        Thread t1 = new PingPong();
        Thread t2 = new PingPong();
        t1.setName("\nping");
        t2.setName(" pong");
        t1.start();
        t2.start();
    }

    @override public void run()
    {
        working();
    }

    void working()
```

```
{
    while (true)
    {
        synchronized (object)
        {
            try
            {
                System.out.print(Thread.currentThread().getName());
                object.notify();
                object.wait();
            }
            catch (InterruptedException e)
            {
                e.printStackTrace();
            }
        }
    }
}
```

