

## **DAILY ONLINE ACTIVITIES SUMMARY**

<b>Date:</b>	14-06-2020	<b>Name:</b>	Manikya K
<b>Sem &amp; Sec</b>	8 <sup>th</sup> ,A	<b>USN:</b>	4AL16CS050
<b>Online Test Summary</b>			
<b>Subject</b>	Not Conducted		
<b>Max. Marks</b>	--	<b>Score</b>	--
<b>Certification Course Summary</b>			
<b>Course</b>	1) Robotic Process Automation (RPA) 2) Introduction to ethical hacking 3) Introduction to cyber security 4) Introduction to Hadoop		
<b>Certificate Provider</b>	1) GUVI 2) Great learner academy	<b>Duration</b>	RPA – 4 Hrs Ethical hacking - 6 Hrs Cyber Security - 7 Hrs Hadoop – 4 Hrs
<b>Coding Challenges</b>			
<b>Problem Statement:</b> How to validate an IP address using Regular Expressions in Java			
<b>Status:</b> Solved			
<b>Uploaded the report in Github</b>		Yes	
<b>If yes Repository name</b>		manikya-20	
<b>Uploaded the report in slack</b>		Yes	

Online Test Details: (Attach the snapshot and briefly write the report for the same)

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

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

## 1) Certification Course Details:

### A) Robotic process Automation:



### B) Introduction to ethical hacking:



### C) Introduction to Cyber Security:



### D) Introduction to Hadoop:



## 2) Coding Challenges:

```
import java.util.regex.*;
class IPAddressValidation {
    public static boolean isValidIPAddress(String ip)
    {
        String zeroTo255 = "(\\d{1,2}|(0|1)\\d{2}|2[0-4]\\d|25[0-5])";
        String regex = zeroTo255 + "\\." + zeroTo255 + "\\." + zeroTo255 + "\\." + zeroTo255;
        Pattern p = Pattern.compile(regex);
        if (ip == null) {
            return false;
        }
        Matcher m = p.matcher(ip);
        return m.matches();
    }

    public static void main(String args[])
    {

        System.out.println("Test Case 1:");
        String str1 = "000.12.12.034";
        System.out.println("Input: " + str1);
        System.out.println("Output: " + isValidIPAddress(str1));

        System.out.println("\nTest Case 2:");
        String str2 = "121.234.12.12";
        System.out.println("Input: " + str2);
        System.out.println("Output: " + isValidIPAddress(str2));
        System.out.println("\nTest Case 3:");
        String str3 = "000.12.234.23.23";
        System.out.println("Input: " + str3);
        System.out.println("Output: " + isValidIPAddress(str3));
        System.out.println("\nTest Case 4:");
        String str4 = "I.Am.not.an.ip";
        System.out.println("Input: " + str4);
        System.out.println("Output: " + isValidIPAddress(str4));
    }
}
```

