**DAILY ONLINE ACTIVITIES SUMMARY**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **14-06-2020** | | | | **Name:** | **Jyothi Lakshmi** | |
| **Sem & Sec** | **8th, B** | | | | **USN:** | **4AL16CS129** | |
| Online Test Summary | | | | | | | |
| **Subject** | | **Not Conducted** | | | | | |
| **Max. Marks** | | **--** | | **Score** | | **--** | |
| Certification Course Summary | | | | | | | |
| **Course** | **AWS** | | | | | | |
| **Certificate Provider** | | | **Aws** | **Duration** | | | **15 Mins** |
| Coding Challenges | | | | | | | |
| **Problem Statement:** How to validate an IP address using Regular Expressions in Java | | | | | | | |
| **Status: Solved** | | | | | | | |
| **Uploaded the report in Github** | | | | **Yes** | | | |
| **If yes Repository name** | | | | **Jyothi\_129** | | | |
| **Uploaded the report in slack** | | | | **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)

# Certification Course Details:

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1. **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));

}

}