**DAILY ONLINE ACTIVITIES SUMMARY**

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| **Date:** | **21-06-2020** | | | | | **Name:** | **Deeksha D Poojary** | |
| **Sem & Sec** | **VIII Semester & A Section** | | | | | **USN:** | **4AL16CS026** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **-** | | | | | | |
| **Max. Marks** | | **-** | | **Score** | | | **-** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Introduction to Amazon Elastic Compute Cloud (EC2)** | | | | | | | |
| **Certificate Provider** | | | **Amazon Web Service** | | **Duration** | | | **10 minutes** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement: Write a program to check whether BST is valid or not** | | | | | | | | |
| **Status: COMPLETED** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **YES** | | | |
| **If yes Repository name** | | | | | **deekshapoojari** | | | |
| **Uploaded the report in slack** | | | | | **YES** | | | |

Online Test Details:

NIL

Certification Course Coding Challenges Details:

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**Program1:**

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**INT\_MAX = 4294967296**

**INT\_MIN = -4294967296**

**class Node:**

**def \_\_init\_\_(self, data):**

**self.data = data**

**self.left = None**

**self.right = None**

**def isBST(node):**

**return (isBSTUtil(node, INT\_MIN, INT\_MAX))**

**def isBSTUtil(node, mini, maxi):**

**if node is None:**

**return True**

**if node.data < mini or node.data > maxi:**

**return False**

**return (isBSTUtil(node.left, mini, node.data -1) and**

**isBSTUtil(node.right, node.data+1, maxi))**

**root = Node(4)**

**root.left = Node(2)**

**root.right = Node(5)**

**root.left.left = Node(1)**

**root.left.right = Node(3)**

**if (isBST(root)):**

**print ("Is BST")**

**else:**

**print ("Not a BST")**