

DAILY ONLINE ACTIVITIES SUMMARY

Date:	21-06-2020	Name:	Ainab
Sem & Sec	VIII Semester & A Section	USN:	4AL16CS004
Online Test Summary			
Subject	-		
Max. Marks	-	Score	-
Certification Course Summary			
Course	Amazon DynamoDB for Serverless Architectures		
Certificate Provider	Amazon Web Service	Duration	2hours
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		Ainab004	
Uploaded the report in slack		YES	

Online Test Details:

NIL

Certification Course



Coding Challenges Details:

Program1:

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")
```