DAILY ONLINE ACTIVITIES SUMMARY

Date:	16/06/2020		Name:	Deekshith T R
Sem & Sec	8th A		USN:	4AL16CS027

Online Test Summary

Subject	BDA			
Max. Marks	30		Score	16

Certification Course Summary

Course	Getting started Hadoop			
Certificate Provider	GreatLearning		Duration	5.5hr

Coding Challenges

Problem Statement: Write a Python program to check whether a given a binary tree is a valid binary search tree (BST) or not	
Status: Completed	
Uploaded the report in Github	yes
If yes Repository name	Deekshithtr_16cs027
Uploaded the report in slack	yes

Internal Mark Details:
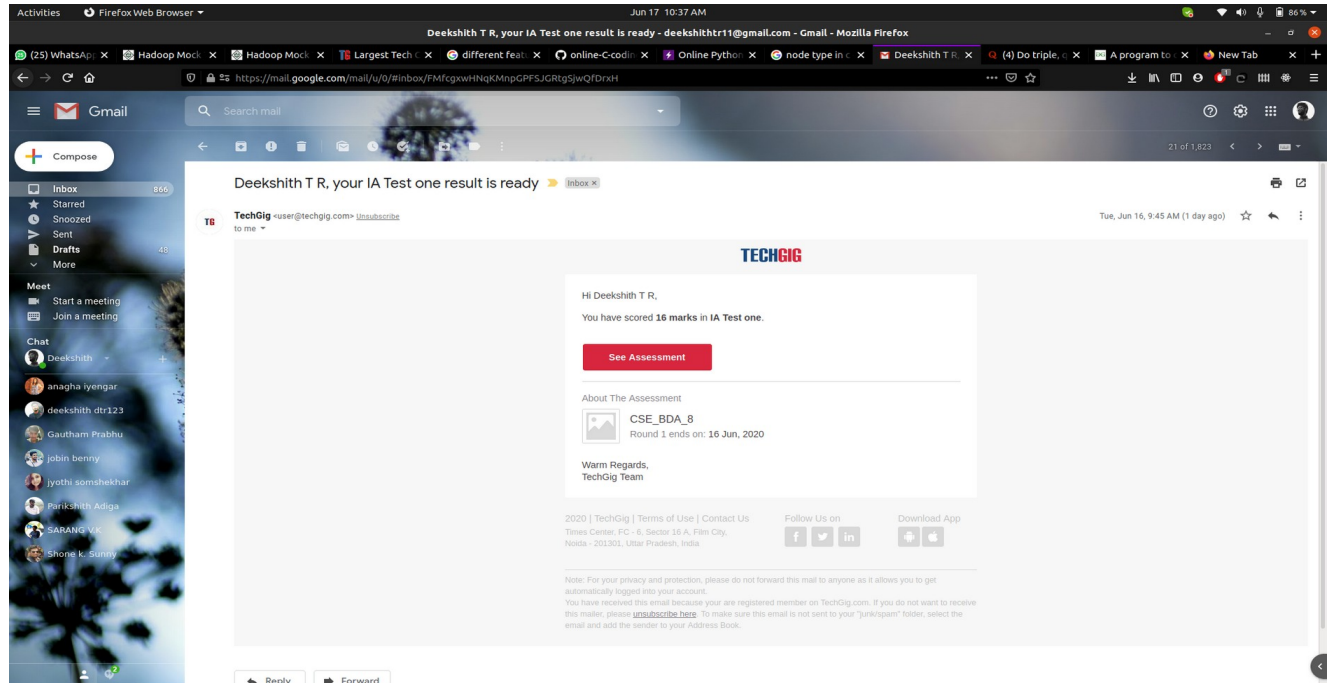
Certification Course Details:
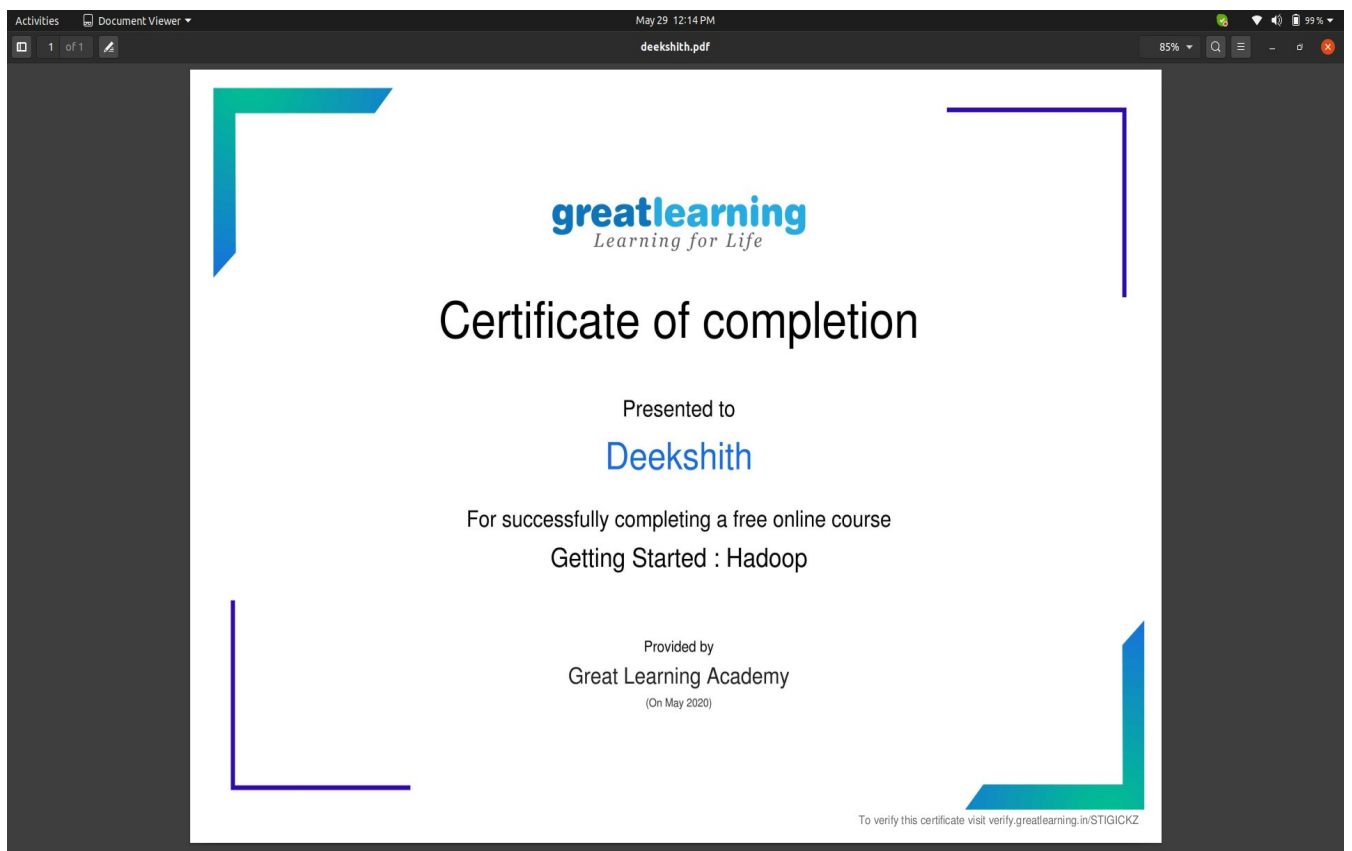
Coding Challenges Details:

program1:

Python program to check if a binary tree is bst or not

```python
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:


    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)
```

```python
root.left.left = Node(1)

root.left.right = Node(3)


if (isBST(root)):

        print ("Is BST")

else:

        print ("Not a BST")
```