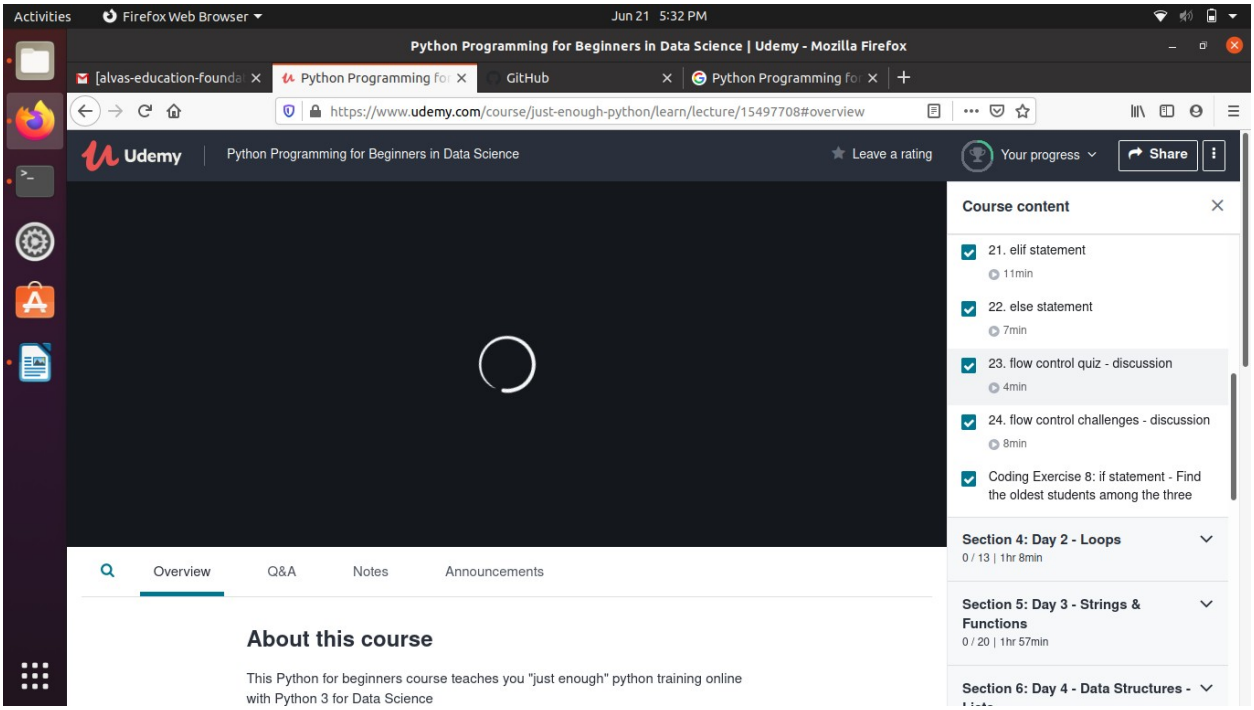
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**21/06/2020**	**Name:**	**Gautham Prabhu**
Sem & Sec	**8th Sem**	**USN:**	**4AL16CS035**
Online Test Summary			
Subject	**- -**		
Max. Marks	**- -**	**Score**	**- -**
Certification Course Summary			
Course	**Python Programming for Beginners in Data Science**		
Certificate Provider	**udemy.com/**	**Duration**	**4 hrs**
Coding Challenges			
Problem Statement: 1) 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	**Daily_report**		
Uploaded the report in slack	**yes**		

Online Test Details:

- -

Certification Course Details:



Coding Challenges Details:

Program 1:

INT_MAX = 4294967296

INT_MIN = -4294967296

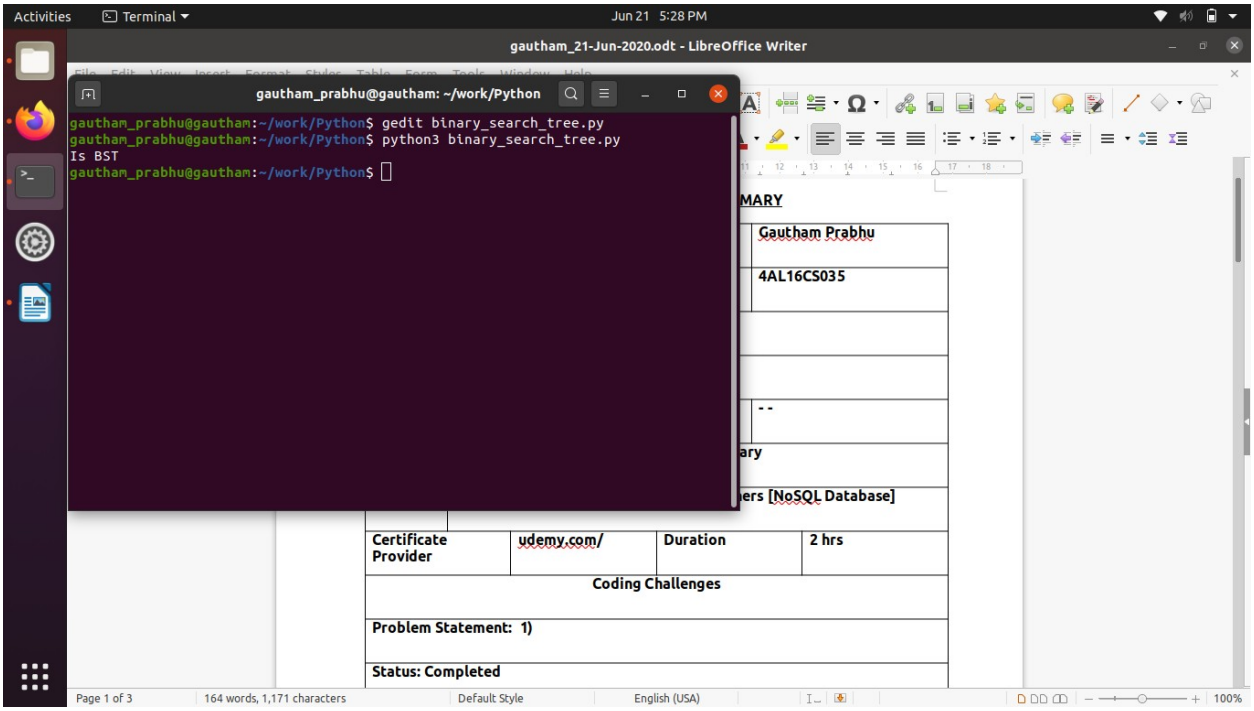
class Node:

```
    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")
```


Activities
Terminal
Jun 21 5:28 PM
gautham_21-Jun-2020.odt - LibreOffice Writer
gautham_prabhu@gautham: ~/work/Python
gautham_prabhu@gautham:~/work/Python$ gedit binary_search_tree.py
gautham_prabhu@gautham:~/work/Python$ python3 binary_search_tree.py
Is BST
gautham_prabhu@gautham:~/work/Python$
MARY
Gautham Prabhu
4AL16CS035
--
ary
ers [NoSQL Database]
Certificate Provider
udemy.com/
Duration
2 hrs
Coding Challenges
Problem Statement: 1)
Status: Completed
Page 1 of 3
164 words, 1,171 characters
Default Style
English (USA)
100%