

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	16-06-2020	<b>Name:</b>	Nanditha.R.Shetty
<b>Sem &amp; Sec</b>	6 <sup>th</sup> sem, 'A' sec	<b>USN:</b>	4AL17CS054
<b>Online Test Summary</b>			
<b>Subject</b>	1.Programming in C 2.Applications of Python Programming in DA and ML		
<b>Max. Marks</b>	-	<b>Score</b>	-
<b>Certification Course Summary</b>			
<b>Course</b>	Workshop on “Applications of Python Programming in DA and ML”		
<b>Certificate Provider</b>	-	<b>Duration</b>	-
<b>Coding Challenges</b>			
<b>Problem Statement:</b> 1 Python program			
<b>Status:</b> executed			
<b>Uploaded the report in GitHub</b>		Yes	
<b>If yes Repository name</b>		<a href="https://github.com/nandithashetty/DAILY-STATUS">https://github.com/nandithashetty/DAILY-STATUS</a>	
<b>Uploaded the report in slack</b>		Yes	

## Online Test Details:

### Programming in C

← → ↻ docs.google.com/forms/u/0/d/e/1FAIpQLSd8ou4ZGijW0eh6dYLUU90AilGNamlsbYE\_P4bT82W5rCAVMA/formResponse 🔍 ☆ Ⓜ Paused ⋮

### C- storage class

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← → ↻ docs.google.com/forms/u/0/d/e/1FAIpQLSev7ijn5W6qLaWAUEk9aB4ofulvx8msP8YptmLnVD7v41NaIA/formResponse 🔍 ☆ Ⓜ Paused ⋮

### C- operators

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techgig.com/challenge/result/round-1/d2gyNmtuZG5qTmdGW9FSXdtUIHp1UT09

nanditharshetty51@gmail.com Logout

## Test Completed!

You have successfully participated in Day 2 Workshop Test for Students.

**Rate this Test**  
Your Rating: ★★★★★ Click to Rate

Results Analytics

Round 1

Your Score **14** / 20

Windows taskbar: 7:32 PM

## Certification Course Details: (WORKSHOP)

REC Mohideen Badhusha is presenting

Sana Habib and 119 more

```
# create a dictionary
squares = {1:1, 2:4, 3:9, 4:16, 5:25}

# remove a particular item of the key 4
print(squares.pop(4))
# Output: 16

print(squares)
# Output: {1: 1, 2: 4, 3: 9, 5: 25}

# remove last item
print(squares.popitem())
# Output: (5, 25)

print(squares)
# Output: {1: 1, 2: 4, 3: 9}

# delete a particular item
del squares[2]
```

Mohideen Badhusha

Annappa Swamy D.R.

Rakesh V S

Akshata Hegde

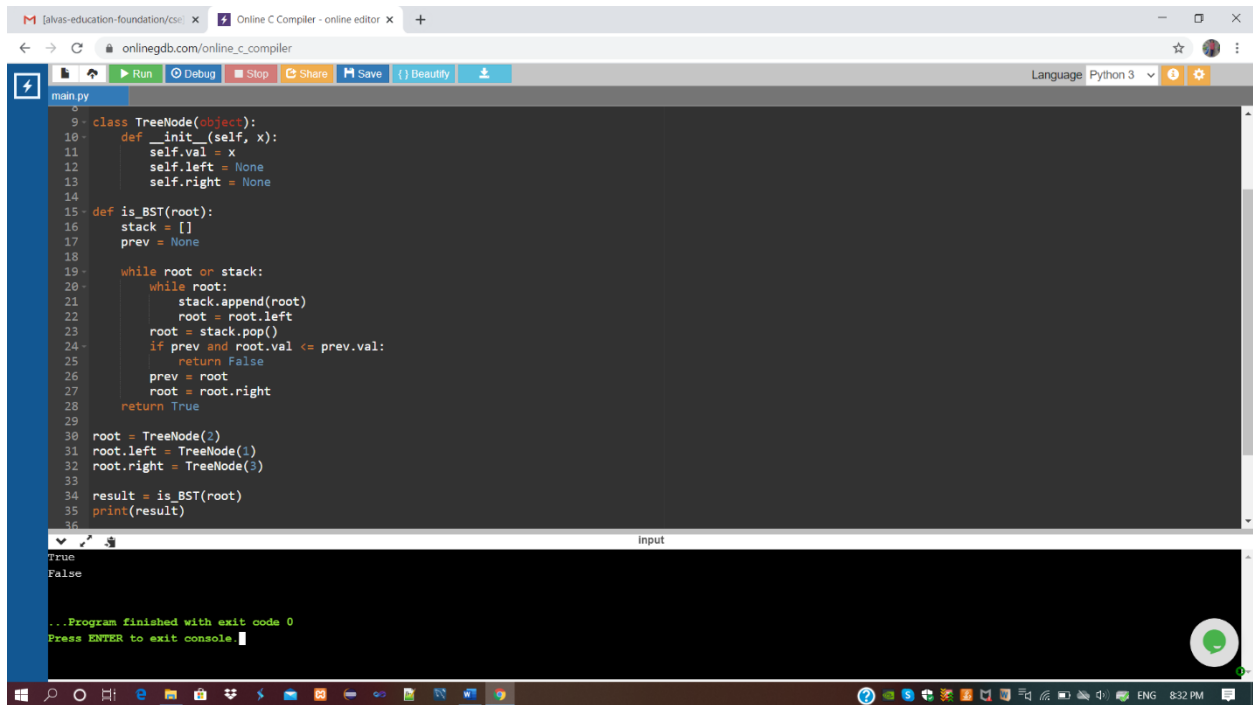
Day-2 Workshop on "Applications of Python Pro... ^

Turn on captions Mohideen is p

## Coding Challenges Details:

### Program 1

This is output of python program to check whether a given a binary tree is a valid binary search tree (BST) or not.



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser tabs include "javas-education-foundation/csr" and "Online C Compiler - online editor". The editor displays a Python program in `main.py` that defines a `TreeNode` class and a `is_BST` function. The function uses a stack to traverse the tree in-order and checks if the values are strictly increasing. The tree structure is defined as a root node with value 2, a left child with value 1, and a right child with value 3. The program prints the result of `is_BST`, which is `True`. The console output shows `True` and `False` on separate lines, followed by a message indicating the program finished with exit code 0.

```
9 class TreeNode(object):
10     def __init__(self, x):
11         self.val = x
12         self.left = None
13         self.right = None
14
15 def is_BST(root):
16     stack = []
17     prev = None
18
19     while root or stack:
20         while root:
21             stack.append(root)
22             root = root.left
23         root = stack.pop()
24         if prev and root.val <= prev.val:
25             return False
26         prev = root
27         root = root.right
28     return True
29
30 root = TreeNode(2)
31 root.left = TreeNode(1)
32 root.right = TreeNode(3)
33
34 result = is_BST(root)
35 print(result)
36
```

True  
False  
...Program finished with exit code 0  
Press ENTER to exit console

## Workshop on “Applications of Python Programming in DA and ML”

Today’s exercise uploaded in :-

<https://github.com/nandithashetty/Applications-of-Python-Programming-in-DA-and-ML>

This Report is also available in:

<https://github.com/nandithashetty/DAILY-STATUS/tree/master/16-06-2020>