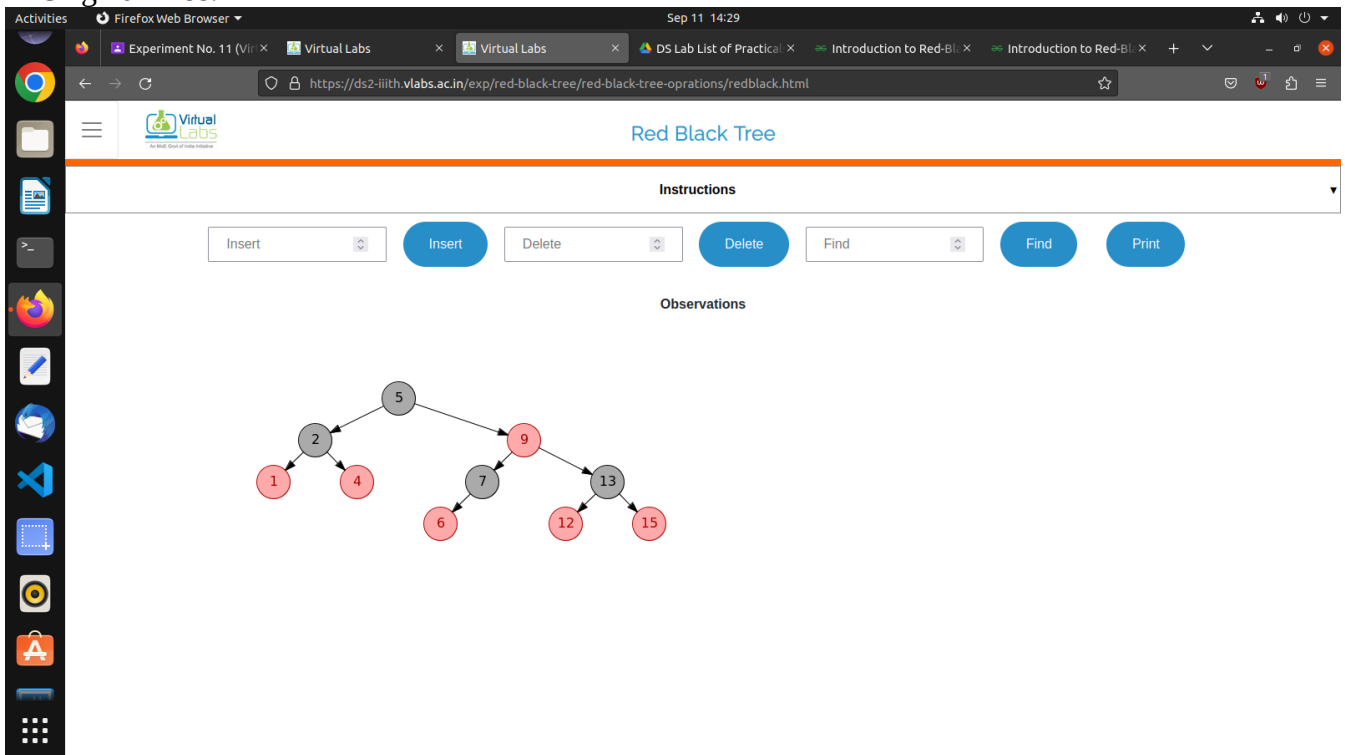


Experiment No.11

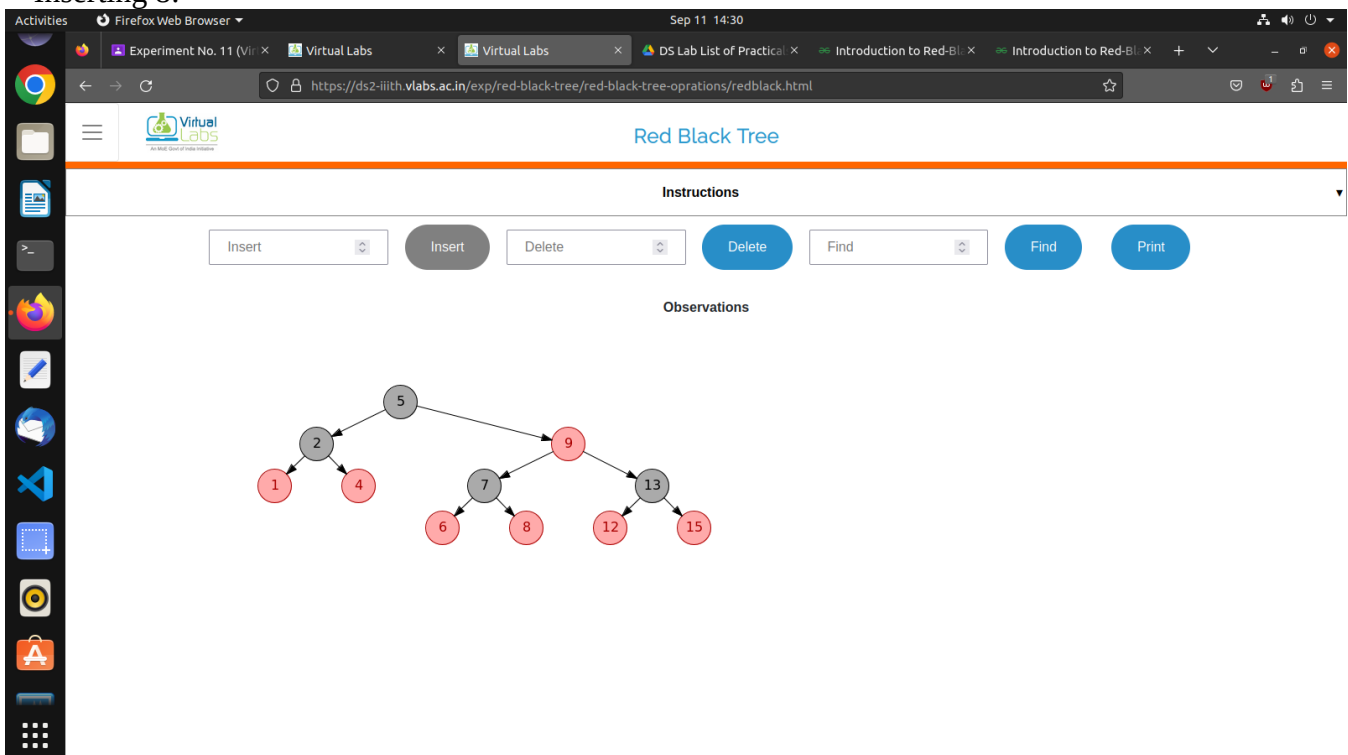
Name: Atharv Uday Wadadekar

Roll No.: 66

Original Tree:



Inserting 8:



Deleting 7:

Activities Firefox Web Browser Sep 11 14:30

Experiment No. 11 (Virtual Labs) Virtual Labs DS Lab List of Practical Introduction to Red-Bl Introduction to Red-Bl

https://ds2-iiith.vlabs.ac.in/exp/red-black-tree/red-black-tree-operations/redblack.html

Red Black Tree

Instructions

Insert Delete Find Print

Observations

```
graph TD; 5((5)) --> 2((2)); 5((5)) --> 9((9)); 2((2)) --> 1((1)); 2((2)) --> 4((4)); 9((9)) --> 6((6)); 9((9)) --> 13((13)); 6((6)) --> 8((8)); 13((13)) --> 12((12)); 13((13)) --> 15((15));
```

Finding 6:

Activities Firefox Web Browser Sep 11 14:30

Experiment No. 11 (Virtual Labs) Virtual Labs DS Lab List of Practical Introduction to Red-Bl Introduction to Red-Bl

https://ds2-iiith.vlabs.ac.in/exp/red-black-tree/red-black-tree-operations/redblack.html

Red Black Tree

Instructions

Insert Delete Find Print

Observations

Searching for 6 : 6 = 6 (Element found!)

```
graph TD; 5((5)) --> 2((2)); 5((5)) --> 9((9)); 2((2)) --> 1((1)); 2((2)) --> 4((4)); 9((9)) --> 6((6)); 9((9)) --> 13((13)); 6((6)) --> 8((8)); 13((13)) --> 12((12)); 13((13)) --> 15((15));
```