

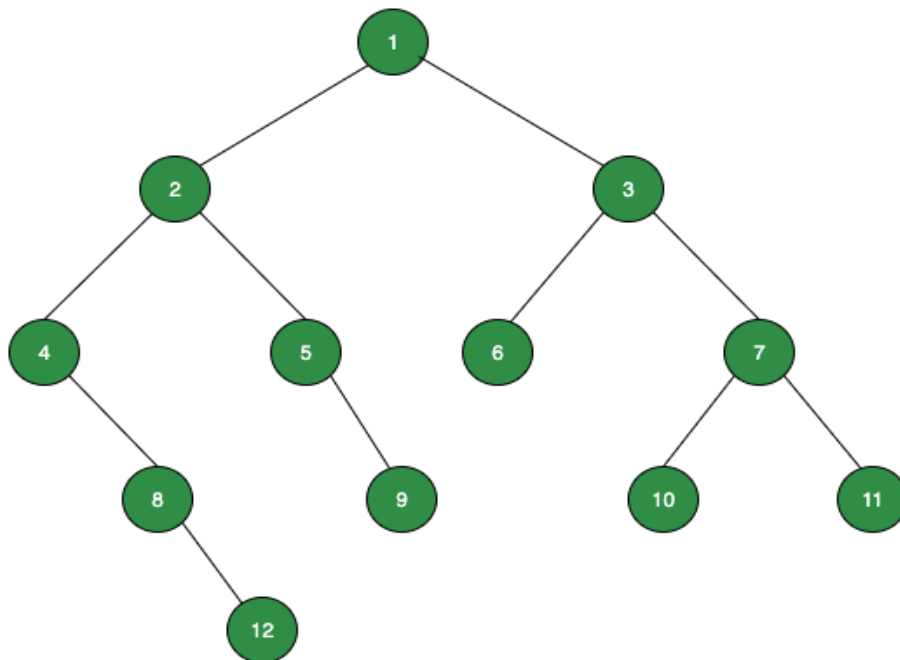
Assignment 7: BST

Instructions:-

1. You need to upload a pdf file for this assignment
2. Format:- Q1 code, the screenshot of Q1 output, Q2 code, Q2 screenshot of output, and so on in the sequence.
3. File Naming convention:- ID_Lab06.pdf
 - a. Eg:- 202011002_Lab07.pdf

Q1:- Write a program to find the maximum height of the tree

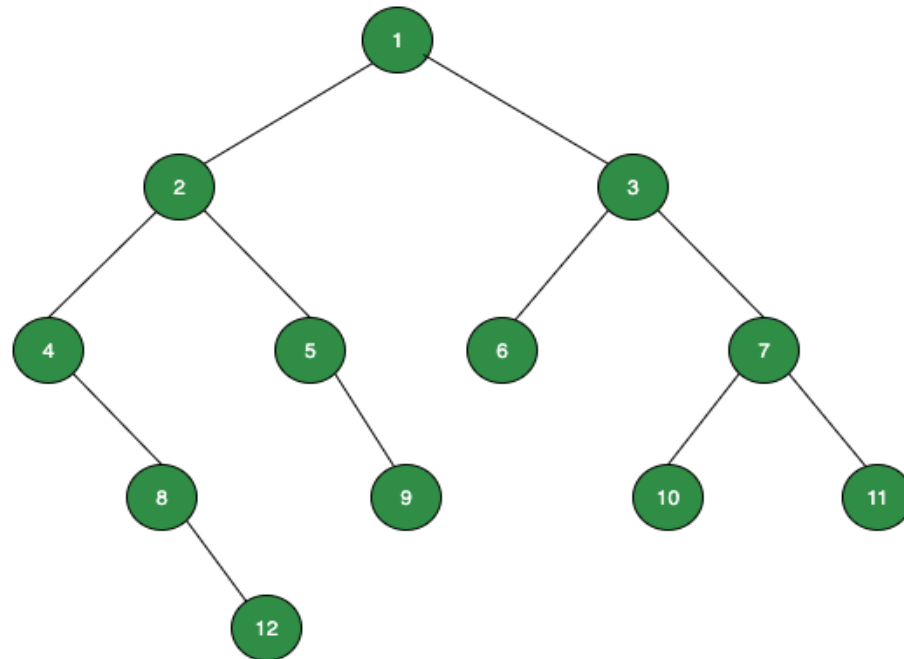
I/P:



O/P:- 4

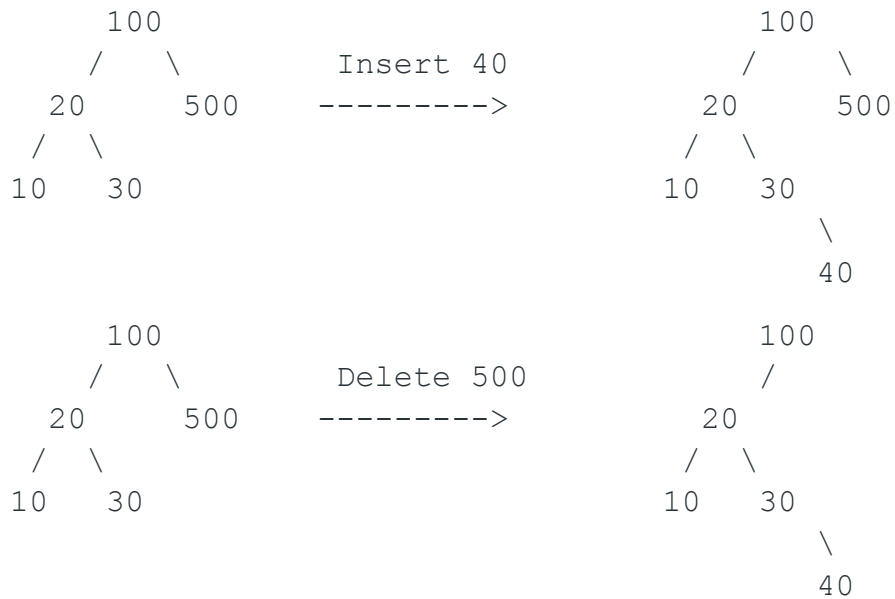
Q2:- write a program to find whether the given number is present in the tree or not.

I/P:- x = 5



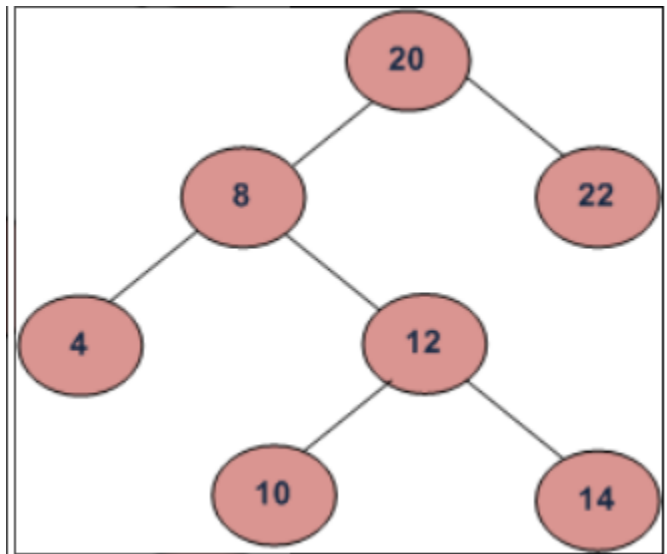
O/P:- yes

Q3 :- Write a program to insert and delete nodes in a Binary search tree.



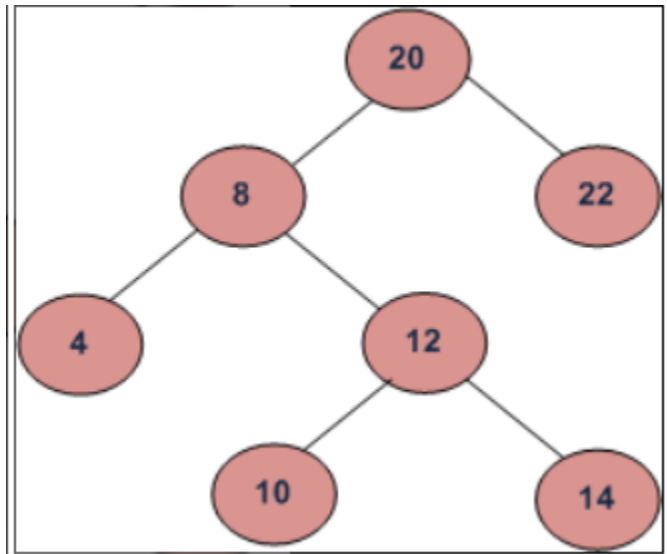
O/P:- Print the In-order Traversal of BST before insertion, after insertion and after deletion

Q4 :- Find median of BST



O/P :- 12

Q5:- Find lowest common ancestor of 2 nodes



I/P :- 10 14

O/P :- 12

I/P :- 4 10

O/P :- 8

I/P :- 10 22

O/P :- 20