

VASAVI COLLEGE OF ENGINEERING (Autonomous)
ACCREDITED BY NAAC WITH 'A++' GRADE
IBRAHIMBAGH, HYDERABAD-31

Department of Computer Science and Engineering

Name of the Course : Data Structures

Activity : Flipped Class Room

Topic : AVL Tree

Class : 2/4-CSE-A

Sem :III Semester

Academic Year : 2022-23

Dear Students you are required to go through the study material provided by below link on AVL Tree. Test will be conducted on this topic to check the understanding of the concept on 12-01-2023.

<https://www.youtube.com/watch?v=mRGQyIRWAsI>

<https://www.youtube.com/watch?v=N9EwTeMJl5s>

Flipped classroom.

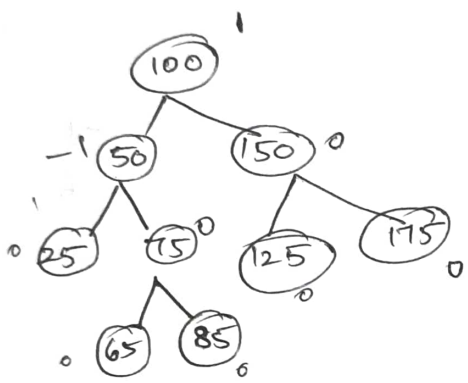
Ch. Harish Reddy
1602-21-133-012

Topic - AVL Tree.

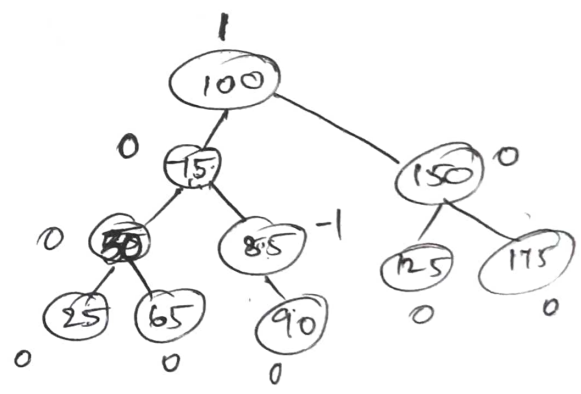
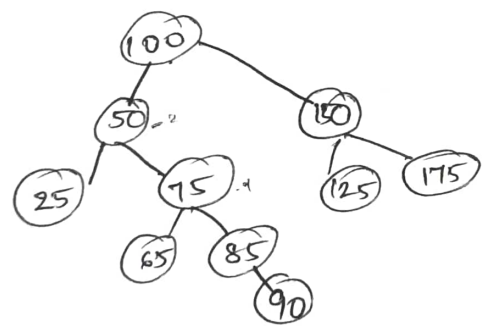
AVL Tree:- A binary search tree which consists of balancing factors as -1, 0, 1.

② Balancing factors:- The height of left subtree - height of right subtree.

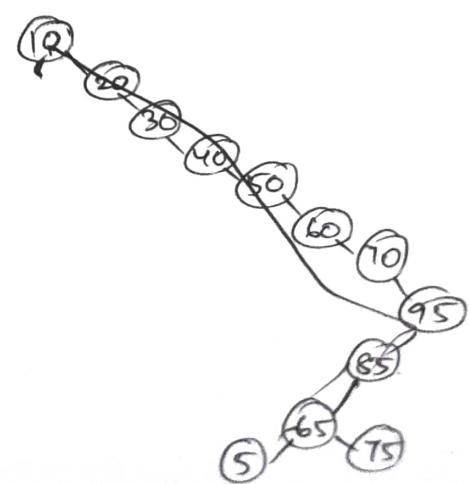
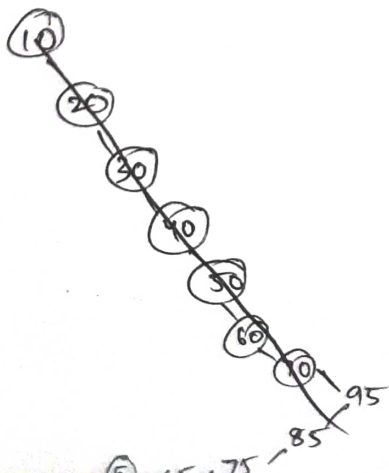
③



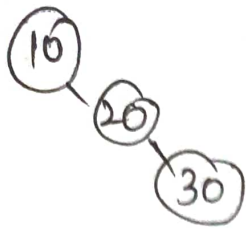
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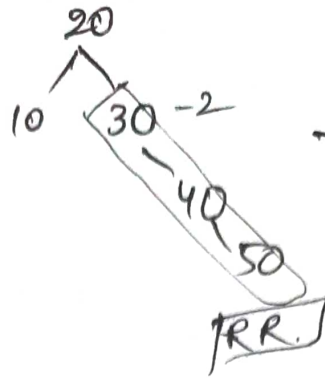
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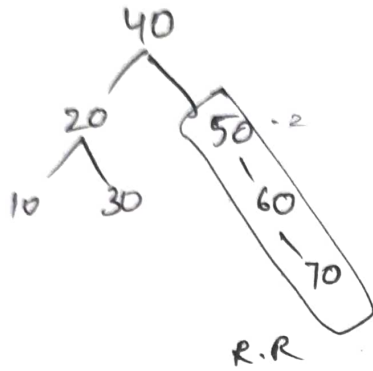
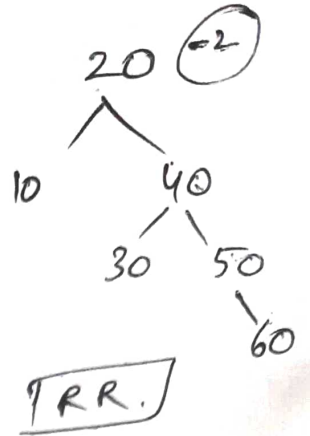
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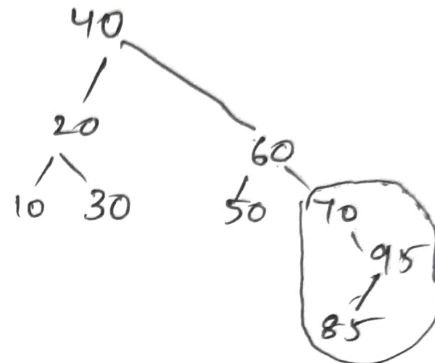
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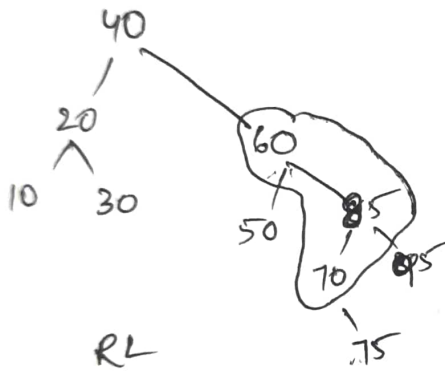
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RL Rotation



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