



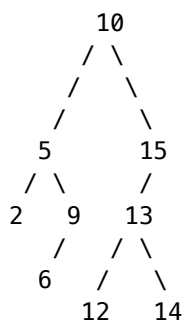
Tree Theory

This assignment **closed** December 8, 2024 at 23:15.

Answer the following questions about tree structures.

Questions:

1. What is a tree? Use the words: *node*, *parent*, *child*
2. What is a **leaf node**?
3. What is a **root node**?
4. What is the **height** of a tree?
5. What is a **path** in a tree?
6. What are common applications of trees?
7. What is a **binary** tree?
8. What is a **search** tree?
9. What is a **balanced search** tree?
10. Given the following tree:



Give its


1. Preorder
2. Inorder
3. Postorder
4. Leveloder

traversal.

Be prepared to demonstrate the different traversal strategies on other trees in the exercise.



Template files

 Get all files in an archive [templates.zip](#) or [templates.tgz](#) .

 [tree.md](#)