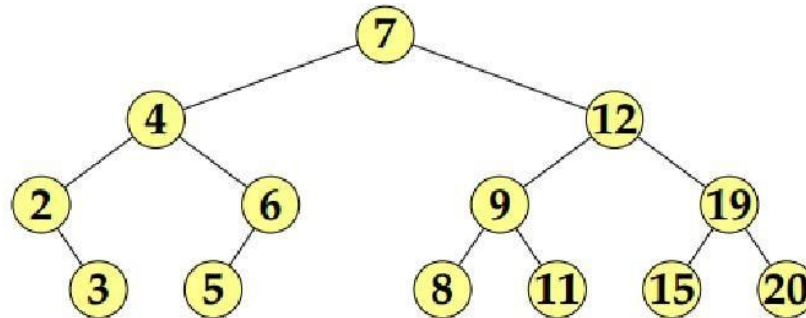


Lab Tasks:

Task 1:

Perform a Pre-order, Post-order and In-order traversing on the following BST.



Task 2:

You have to maintain information for a shop owner. For each of the products sold in his/hers shop the following information is kept: a unique code, a name, a price, amount in stock, date received, and expiration date. For keeping track of its stock, the clerk would use a computer program based on a search tree data structure. Write a program to help this person, by implementing following the following operations:

- Insert an item with all its associated data.
- Find an item by its code, and support updating of the item found.
- List valid items in lexicographic order of their names.
- List expired items in lexicographic order of their names.
- List all items.
- Delete an item given by its code.
- Delete all expired items.
- Create a separate search tree for expired items.
- Save stock in file stock.data.
- Exit