ASSIGNMENT 2

Write MyTree class in Java using Binary Search Tree data structure to manage information about persons. Variables used to store information about a person are:

- name the name of a person (character String), which is the key of the tree.
- age the age of a person (integer value).

You should write the MyTree class with the following methods:

1. **void insert(String xName, int xAge)**: check if xName contains 'B' or age > 10 then do nothing, otherwise, insert that person information to the tree.

For example, the input for insert method can be:

2. **void traverse()**: Display all persons having age < the average age of the tree in format (name, age) to the output screen by post-order traverse.

For example, the output must be:

3. **void delete()**: Perform breadth-first traverse from the root and delete by copying the second node having age >= the average age, write the tree to the output screen by breadth-first traverse.

For example, the output must be:

4. **void rotateLeft()**: Perform pre-order traverse from the root and rotate the third node having non-empty right-son then rotate it to left about its right-son and display the tree to the output screen by pre-order traverse.

For example, the output must be: