CMPE 242
Spring 2021
Hands-On Activity 7

Assume that we have the following API for the Binary Tree, for the questions below.

```
public class BinaryTree {

  private Node root;

  private class Node {
      private int key;           % key
      private Node left;         % left child
      private Node right;        % right child
  }

}
```

1. Write a **recursive** Java solution to find the minimum key in the Binary Tree. The method should be implemented as a method of the `BinaryTree` class.

2. Write a **recursive** Java solution to find the total number of the keys in the Binary Tree. The method should be implemented as a method of the `BinaryTree` class.

3. Write a **recursive** Java solution to find the height of the Binary Tree. The method should be implemented as a method of the `BinaryTree` class.

4. Write a **recursive** Java solution to find the sum of all the keys in the Binary Tree. The method should be implemented as a method of the `BinaryTree` class.