Question 1) Given a string, write a routine that converts the string to a long, without using the built in functions that would do this. Describe what (if any) limitations the code has. For example:

Question 2) Implement insert and delete in a tri-nary tree. A tri-nary tree is much like a binary tree but with three child nodes for each parent instead of two -- with the left node being values less than the parent, the right node values greater than the parent, and the middle nodes values equal to the parent.

For example, suppose I added the following nodes to the tree in this order: 5, 4, 9, 5, 7, 2, 2. The resulting tree would look like this:

```
5
/ | \
4 5 9
/ /
2 7
|
2
```