CSE 341 — Haskell Mini-Exercises # 3

These are questions for discussion in class. (You don't need to hand in anything.) The solutions are on the class web page.

1. The `TypesNotes.hs` lecture notes include a `preorder` function that does a pre-order traversal on the newly defined `Tree` datatype. Define `inorder` and `postorder` functions as well.

2. Write a Haskell type `List` that is like built-in lists, but defined from scratch.

3. Write a Haskell function `append` that works on instances of the `List` type. What is the type of this function?

4. Write a Haskell function `mymap`, like the built in map but that works on instances of the `List` type. What is the type of this function?