1. Lists must have at least one item.

2. All elements in a list must have the same type.

3. Lists can have tuples in them

4. Tuples can have lists in them.

5. This is a good way to think of lists:

   - The head of the line
   - The line behind her
   - The tail of the line

6. This is a good way to think of lists:

   - The line ahead of her
   - The line behind her
   - The head of the line
   - The tail of the line
[t1([5, 12, 6])@[8, 9]]
hd([12, 5, 6])::[2, 7]
[[(2.3, 5), (8.1, 6)], []]
([1, 12, 81], ["a", "bc"])