We begin building our linked list class.

1. Questions?

2. A linked list is

   (a) None if empty.
   (b) Otherwise, contains a head/tail (car/cdr) pair:
      i. The head is the first object held by the list.
      ii. The tail is a reference to the rest of the list.

3. Steps to constructing a linked list:

   (a) Slots: head and tail.
   (b) The initializer: take a head and tail.
   (c) The \_str\_ method.
   (d) The \_repr\_ method.
   (e) How do we know if a list is empty? A general method.
   (f) The first and rest properties.
   (g) The first and rest property setters.
   (h) How do we compute the length?
   (i) How do we get the nth element?
   (j) How do we append an element to the end of the list?
   (k) How do we reverse the list?