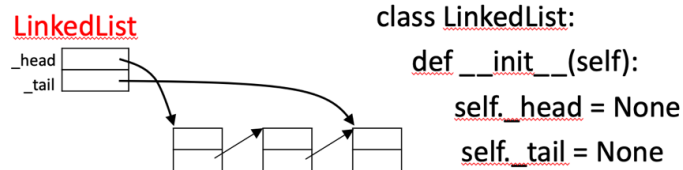


Work with your neighbor. (This will be graded for participation only.)

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- Suppose that we modify the linked list class to maintain a tail reference. The modified code for the `LinkedList` class and a sample linked list are shown below:



Write the `append(self, new)` method for the class.

- Below are the method headers for a `Stack` class. Fill out the code to implement the methods of the Stack ADT. (Note: given a list `alist`, the Python method `alist.pop()` removes the last element of the list.)

```

class Stack:
    def __init__(self):
        self._items =

    # adds item to the top of the Stack
    def push(self, item):

    # removes the top item from the Stack
    def pop(self):

    def is_empty(self):
  
```

**Note: We may not get to these next 2 problems, in which case they will move to ICA-17.**

3. Write a *function* `reverse(s)` that reverses the string `s` using a `Stack`. The function returns the reversed string.
4. Write a *function* `balanced(s)` that returns `True` if the string `s` is balanced with respect to the bracket characters `'[ '` and `'] '` and `False` otherwise. Use a `Stack` in your implementation of this function.