1 Administrative Topics

• We take the quiz.

2 Developing our own list

Create a new MyIntList class with the following properties:

• It has a field named data that is an array of ints. You can also add other fields if you wish.

• It has all the following methods:
  
  – public MyIntList(), that initializes data to be an array of length zero.
  
  – public int get(int idx), that returns the integer at index idx in the data array. You can assume the value of idx is in the legal range of indices for the data array.
  
  – public int size(), that returns the number of integers that have been added to the list.
  
  – boolean contains(int x), which returns true if x appears anywhere in the list.
- boolean isEmpty(), which returns true if the list has no integers in it.
- void add(int x), which adds the value x at the end of the list.
- public void remove(int idx), that removes the integer at index idx from the data array. You can assume the value of idx is in the legal range of indices for the data array.
- It has a main method that tests all the other methods.