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// Copyright Wintriss Technical Schools 2013
import java.util.ArrayList;
import junit.framework.TestCase;
/* Use the internets to figure out how to use ArrayLists. Try not to use autocomplete. */
public class ArrayListQuiz extends TestCase {
        public void testInitialize() throws Exception {
                assertNotNull(LearningArrayLists.createArrayList());
        }
        public void testAddToArrayList() throws Exception {
                ArrayList testList = new ArrayList();
                LearningArrayLists.addToArrayList(testList, new String());
                LearningArrayLists.addToArrayList(testList, new String());
                assertEquals(2, testList.size());
        }
        public void testGetNumberOfItems() throws Exception {
                ArrayList testList = new ArrayList();
                testList.add(new String());
                testList.add(new String());
                testList.add(new String());
                assertEquals(3, LearningArrayLists.getNumberOfItems(testList));
        }
        public void testGetSomethingFromList() throws Exception {
                ArrayList testList = new ArrayList();
                testList.add(new String());
                testList.add("natch");
                testList.add(new String());
                assertEquals("natch", LearningArrayLists.getItem(testList, 1));
        }
        public void testListIteration() throws Exception {
                ArrayList testList = new ArrayList();
                testList.add("rad");
                testList.add("natch");
                testList.add("bounce");
                assertEquals("radnatchbounce", LearningArrayLists.iterateOver(testList));
        }
        public void testFindItem() throws Exception {
                ArrayList testList = new ArrayList();
                testList.add("rad");
                testList.add("natch");
                testList.add("bounce");
                assertEquals(2, LearningArrayLists.findItemOnList(testList, "bounce"));
        }
public void testReplaceItem() throws Exception {
                ArrayList testList = new ArrayList();
                testList.add("rad");
                testList.add("natch");
                testList.add("bounce");
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LearningArrayLists.replaceItem(testList, 1, "sweet");
               assertEquals("rad", testList.get(0));
               assertEquals("sweet", testList.get(1));
               assertEquals("bounce", testList.get(2));
       }
        public void testInsertItem() throws Exception {
               ArrayList testList = new ArrayList();
               testList.add("rad");
               testList.add("natch");
               testList.add("bounce");
               LearningArrayLists.insertItem(testList, 1, "sweet");
               assertEquals("rad", testList.get(0));
               assertEquals("sweet", testList.get(1));
               assertEquals("natch", testList.get(2));
               assertEquals("bounce", testList.get(3));
       }
        public void testTypedArrayLists() throws Exception {
               ArrayList<Integer> testList = LearningArrayLists.createTypedArrayList();
       }
       public void testAddStuff() throws Exception {
               ArrayList<Integer> testList = LearningArrayLists.createTypedArrayList();
               testList.add(new Integer(6));
               testList.add(new Integer(6));
               testList.add(new Integer(6));
               assertEquals(new Integer(18), LearningArrayLists.addAllInteger(testList));
       }
        public void testConcatenateStrings() throws Exception {
               ArrayList<String> testList = LearningArrayLists.createStringTypedArrayList();
               testList.add("6");
               testList.add("6");
               testList.add("6");
               assertEquals("666", LearningArrayLists.addAllString(testList));
       }
       /* now do this puzzle:
http://apcomputersciencetutoring.com/exam-review/candidatepool-free-response-practice-question/ */
}
```