

#### 11.11.1

- a) `ArrayList<Double> list = new ArrayList<>();`
- b) `list.add(2.1);`
- c) `list.add(2.3);`
- d) `list.size();`
- e) `list.remove(0);`
- f) `list.remove(list.size()-1);`
- g) `list.contains(2.1);`
- h) `list.get(0);`

#### 11.11.2

The error is that `java.util.Date()` cannot be converted to `String`.

#### 11.11.3

It only removes the first instance of Dallas. To fix it the for loop should work.

#### 11.11.4

It displays `[1,3]` because it is removing the item in the 1 position, which is actually number 2 since java starts counting at 0. You remove the integer 3 from the list by doing `list.remove("3");`

#### 11.11.5

The following code is wrong because the 1 is an int and not a double.

#### 11.13.1

```
package com.mycompany.ch3;

import java.util.ArrayList;

public class homeworkTwo{
    Run | Debug
    public static void main(String[] args) {
        MyStack list = new MyStack();
        list.push(11);
        System.out.println(list);
    }
}

class MyStack {
    private ArrayList<Object> list = new ArrayList<>();

    public boolean isEmpty(){
        return list.isEmpty();
    }

    public int getSize() {
        return list.size();
    }

    public Object peek() {
        return list.get(getSize() -1);
    }

    public Object pop() {
        Object o = list.get(getSize() -1);
        list.remove(getSize() -1);
        return o;
    }

    public void push(Object o){
        list.add(o);
    }

    @Override
    public String toString(){
        return "stack: " + list.toString();
    }
}
```