Reading:
1. Dale, Chapter 11
2. Dale, Lab 11

Objectives:
1. Introduce array-based lists
2. Review for mid-term

Concepts:
1. Array-based lists
1. Introduce array-based lists
   - Distinction between arrays and lists
   - Sorted and unsorted lists

2. Review for mid-term exam
   - Answer questions on any of the following topics that were covered in the first 6 weeks:
     o Object-Oriented Design
     o Unified Modeling Language
     o Inheritance
     o Polymorphism
     o Scope
     o Access
     o Abstract classes
     o Exceptions
     o Arrays
Objective:
1. Practice writing methods and operations in a list.

Student Activities:
1. In this lab your must implement the missing methods as the comments describe:

```java
class PrintableList {
    private List theList;

    //Initializes the list
    PrintableList() {
    }

    //Adds a word to the list
    Add(String word);

    //Removes a word from the list
    Remove(String word);

    //Prints the list from first added word to last
    Print();
}

class PrintableListTest {
    public static void main(String[] args) throws IOException {
        //Create a new printable list
        //Add 4 different names to the list (Mary, Kate, Jim, Bob)
        //Print the list
        //Remove 2 names (Mary, Jim)
        //Print the list again
    }
}
```
class PrintableList
{
    private List theList;

    PrintableList()
    {
        theList = new List();
    }

    public void Add(String word)
    {
        theList.addItem(word);
    }

    public void Remove(String word)
    {
        theList.delete(word);
    }

    public void Print()
    {
        theList.printListForward();
    }
}

class PrintableListTest
{
    public static void main(String[] args) throws IOException
    {
        PrintableList newList = new PrintableList();

        newList.Add("Mary");
        newList.Add("Kate");
        newList.Add("Jim");
        newList.Add("Bob");

        newList.Print();

        newList.Remove("Mary");
        newList.Remove("Jim");

        newList.Print();
    }
}