

# Bag of Numbers

```
import java.util.ArrayList;
public class BagOfNumbers {
    private ArrayList bag = new ArrayList<>();
    public void add(int number) {
        bag.add(number);
    }
    public boolean remove(int number) {
        return bag.remove(Integer.valueOf(number));
    }
    public boolean contains(int number) {
        return bag.contains(number);
    }
    public int size() {
        return bag.size();
    }
    public boolean isEmpty() {
        return bag.isEmpty();
    }
    public void display() {
        System.out.println("Bag contents: " + bag);
    }
    public static void main(String[] args) {
        BagOfNumbers bag = new BagOfNumbers();
        bag.add(10);
        bag.add(20);
        bag.add(10);
        bag.display();
        bag.remove(10);
        bag.display();
        System.out.println("Contains 20? " + bag.contains(20));
        System.out.println("Size: " + bag.size());
    }
}
```