```java
package Arraylists;
import java.util.*;
import java.util.Collection;
import java.util.ArrayList;
public class wrappers {



   static void reverse(ArrayList<Integer> l1)
   {
int i =0;
int j= l1.size()-1;

while(i<j){
   int temp = Integer.valueOf(l1.get(i));
   l1.set(i, l1.get(j));
   l1.set(j, temp);
i++;
j--;

}
       System.out.println(l1);

   }
   public static void main(String[] args) {
       Integer i = Integer.valueOf(3);
       System.out.println(i);
       Float f = Float.valueOf(3.0f);
       System.out.println(f);

       // why do we need these wrapper classes??
// bcz java is oops based
       ArrayList<Integer> l1= new ArrayList<>();
      // ArrayList<String> l2= new ArrayList<>();
       //ArrayList<Boolean> l3= new ArrayList<>();
       System.out.println(l1.size());
// add new element
       l1.add(1);
       l1.add(200);
       l1.add(398);
       l1.add(476);
// get an element at index i
       System.out.println(l1.get(2));
// print with for loop

       for(int k =0; k<l1.size(); k++){
           System.out.println(l1.get(k));
       }
// print arraylist directly
```

```
        System.out.println(l1);

        //adding element at index i
        l1.add(1,33);
        System.out.println(l1);

// modify element at index i
        l1.set(1,209);
        System.out.println(l1);
        // remove at index i
        l1.remove(2);
        System.out.println(l1);
// remove an element e
        l1.remove(Integer.valueOf(209));
        System.out.println(l1);
        System.out.println( l1.remove(Integer.valueOf(209)));
// check if an element exists

        boolean ans = l1.contains(Integer.valueOf(476));
        System.out.println(ans);

        // if you dont specify class, you can put anything inside l
        ArrayList l2= new ArrayList<>();
        l2.add("app");
        l2.add(1);
        l2.add(true);
        System.out.println(l2);

// reverse a given arraylist
        l1.add(2);
        l1.add(3);
        l1.add(4);
        System.out.println(l1);
        reverse(l1);
        Collections.reverse(l1);
        System.out.println(l1);
        Collections.sort(l1);
        System.out.println(l1);
        Collections.sort(l1,Collections.reverseOrder());
        System.out.println(l1);
        ArrayList<String> l3= new ArrayList<>();
        l3.add("app");
        l3.add("toh");
        l3.add("ache");
        l3.add("insaan");
        Collections.sort(l3);
        System.out.println(l3);
        Collections.sort(l3, Collections.reverseOrder());
        System.out.println(l3);
```

```
    }
}
```