```java
import java.util.ArrayList;

public class AP
{
    public static void main(String[] args)
    {
        //a)   Create an arraylist named al that
        //holds integers.
        ArrayList<Integer> al = new ArrayList<Integer>();
        //b)   Add the value 8 to it.
        al.add(8);
        //c)   Add the value 9 to it.
        al.add(9);
        //d)   Add the value 3 at the beginning of it.
        al.add(0,3);
        //e)   Add the value 4 to the end of it.
        al.add(al.size(),4);
        //f)   Add any three other values to the arraylist.
        al.add(10);
```

```java
al.add(11);
al.add(12);
//g)   Output the size of the arraylist to screen.
System.out.println(al.size());
//h)   Output the arraylist to screen.
System.out.println(al);
//i)   Remove the first element from the arraylist.
al.remove(0);
//j)   Set the first element to 22.
al.set(0, 22);
//k)   Output to screen the element at index 3.
System.out.println(al.get(3));
//l)   Output the arraylist to screen.
System.out.println(al);
//m)   Write a for loop that will go over
//the arraylist to find the maximum value
//in the list.  Output that max value.
int max = al.get(0);
for (int x: al)
```

```java
    {
        if (x > max)
        {
            max = x;
        }
    }
    System.out.println(max);
    }
}
```