



Output

```
% java -jar PracticeArrayLists.jar  
  
Number List: 1 4 9 16 25 36 49 64 81 100 121 144  
Boolean List: false true false true false true false true false true false true false true false true false true  
false true false true false true false true false true false true false true false true false true false true  
false true false true  
Town List: Paris London Athens Rome  
Done!  
% 
```

urxvt



PracticeArrayLists.java

```
import java.util.ArrayList;

/**
 * @author (Kyle Guarco)
 * @version (July 1, 2020)
 */
public class PracticeArrayLists {
    public static void main(String[] args)
    {
        System.out.print("\n Number List: ");
        ArrayList<Integer> numberList = new ArrayList<>();

        for (int i = 1; i <= 12; i++)
            numberList.add(i*i);
        for (int i : numberList)
            System.out.print(i + " ");

        System.out.print("\n Boolean List: ");
        ArrayList<Boolean> booleanList = new ArrayList<>();

        for (int i = 1; i <= 30; i++)
            // If 'i' is an even number, append 'true' to the list. Append 'false' otherwise.
            booleanList.add(i % 2 == 0);
        for (boolean b : booleanList)
            System.out.print(b + " ");

        System.out.print("\n Town List: ");
        ArrayList<String> townList = new ArrayList<>();

        for (String s : new String[]{"Paris", "London", "Athens", "Rome"})
            townList.add(s);
        for (String s : townList)
            System.out.print(s + " ");

        System.out.println("\n Done!");
    }
}
```