









## List <T> objectName = new ArrayList<>(); Programming to an Interface

```
List <String> names = new ArrayList<>();
Interface
names.add("Rick");
names.add("Beth");
names.add("Jerry");
names.add(0, "Sam");

for (int i = 0; i < names.size(); i++) {
   System.out.println(names.get(i));
}</pre>
```

- T stands for data type
- The add method is overloaded – add name is the same, but takes in different parameter listings

```
#######################
Lists can be sorted
#######################
Bilbo 0
Gandalf 1
Merry
Pippin
Sam
#######################
Lists can be reversed too
#######################
Sam
Pippin 1
               Indexes have changed permanently
Merry
Gandalf 3
Bilbo
#######################
       FOREACH
```