



Min	6 (17 total F's)
Median	93.5
Average	82.69
Max	100 (80 total A's













Putting stuff into a collection

• The add method allows us to insert elements into a collection.

Iterating over a collection

- If you want to "visit" every element in a collection, there is a piece of syntax built into Java to help us do that.
- It is called a for-each loop

For-each loop

Syntax

}

for(TypeOfElementInCollection name: collection) {
 //what to do with each element

• TypeOfElementInCollection would match the E in the <E> when you declared and created the collection.

For-each loop

 name is a name you assign to the element. This is like a local variable. As the collection is iterated over, each element in the collection will be assigned to the variable name. This is what allows you to do things with each element.















Maps in Java

- There is an interface java.util.Map that is part of the collections framework, but Maps are not technically considered collections by Java.
- This means the methods on Maps are potentially different than those on Collections.
 - Meaning their names, parameters, and return types could be different







- map.put(X, Y);
- Where map is the name of the variable referring to the map, and X and Y are the objects (object references) of what is to be inserted as the (key,value) pair.









Repetition
 The ability for a program to repeat a task
 Java has five different repetition
 Three types of general purpose
IOOPSfor, while, do-while
 One type of special purpose loop for-each loop
– Recursion





























