

APCS – Mr. Ascione

Creature Lab



Objective: To practice using ArrayLists. Bonus: To see how Interfaces are implemented for Comparable.

Spec: In this lab you will complete missing methods. A Creature has been almost fully implemented and a Herd is an ArrayList of Creatures. HerdRunner is your client program.

Open the following files:

Creature.java

Herd.java

HerdRunner.java

Start with Creature.java...

- 1) Notice how it implements the Comparable Interface... this will be a good example that you can refer to later on when we cover Interfaces, for implementing the `.compareTo()` method.
- 2) In Creature, complete the method `isBig()` based on the documentation.
- 3) In Herd, complete the constructor, `.add()` and `.countBigOnes()`

Run the code and verify that methods operate as intended.

If all is well... copy your output and paste it to the client... you're done!