

Our driver-main function is in Main.java class

The class we have in this project is:

- Main.java
- Critter.java
- Algae.java
- Bob.java
 - Will only fight 20% of the time
 - Runs during doTimeStep
 - And reproduces a lot
- Gary.java,
 - Will only move from 0 to 180 degrees in counter clockwise movement
 - 50% chance to fight
 - During doTimeStep, runs and reproduces when energy is greater than 250
- Emma.java
 - Emma only go to the left
 - Emma always fight
 - During the doTimeStep, Emma runs
 - Reproduce normally
- Niu.java
 - Niu has 50 percent chance to fight
 - Only move from fight function
 - Reproduce only when energy greater than 350
- ControllerCommands.java
- Params.java

- InvalidCriticException.java

Main.java control the execution of the whole program

Critter.java is an abstract class, and it has the basic features for All other subclasses.

Algae, Bob, Gary, Emma and Niu are subclasses for the Critter class.