Game Intro

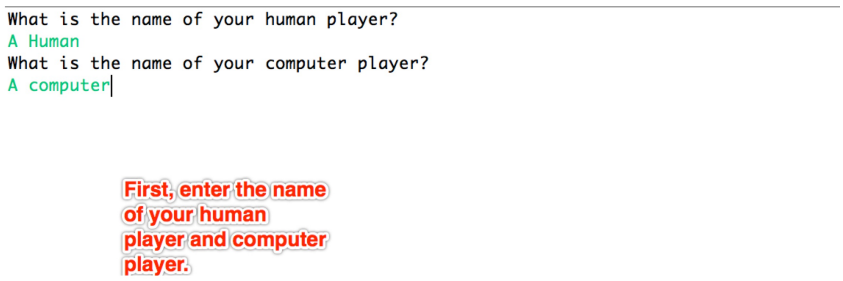
This is a java game that a user can play with a computer on Eclipse, by typing instructions on command line.

Consider an electronic world consisting of a 10x10 grid. Virtual "organisms" can exist on this grid, with an organism able to occupy a cell on the grid. Organisms have energy that can be gained or lost in a variety of ways. When an organism runs out of energy it dies, and vacates the cell it formerly occupied. An organism can have at most M units of energy. An organism may do one of several things during a virtual time cycle:

- Move one cell horizontally or vertically in any direction.
- Stay put and do nothing
- Reproduce

All move takes energy. The goal of the game is to compete with the computer to survive in the end.

Here is the User Interface:



First, enter the name of your human player and computer player.

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----------------------------------------
Print Configurations:
The energy consumed in staying put: 1
Energy consumed when moving or producing: 13
Food energy per unit: 107
The maximum energy per organisms: 587
The maximum food units per cell: 42
----------------------------------------

   0   1   2   3   4   5   6   7   8   9
0 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
1 [ ] [ ] [ ] [o] [ ] [o] [ ] [ ] [ ] [ ]
2 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
3 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
4 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
5 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
6 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
7 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
8 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
9 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

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Round: 1

Organism on row 1, col 3 (0-indexed):
The food situations are (west, east, north, south): false, false, false, false
The organism situations are (west, east, north, south), -1, -1, -1, -1
The amount of remaining food on the organism's current cell: 0
The amount of energy currently possessed by the organism: 500
Where do you want your organism to move?
Enter 0 to indicate stayput; 1-4(west, east, north, sorth) to indicate move; 5 to indicate reproduce.
1
```

You are competing with the computer.

The game configurations are printed for you.

Try to let as many organisms survive as possible.

Follow the command line to continue the game.

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Enter 0 to indicate stayput; 1-4(west, east, north, sorth) to indicate move; 5 to indicate reproduce.
1
Moving West.....
----------------------------------------
Organism on row 1, col 5 (0-indexed):
Reproducing.....
----------------------------------------

Results of this turn:

   0   1   2   3   4   5   6   7   8   9
0 [ ] [ ] [1] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
1 [ ] [ ] [o] [ ] [o] [o] [ ] [ ] [1] [ ]
2 [ ] [1] [ ] [ ] [ ] [ ] [ ] [ ] [1] [ ]
3 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
4 [ ] [ ] [1] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
5 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
6 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
7 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
8 [ ] [ ] [1] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
9 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [2] [1] [ ]

A Human total energy: 487, count: 1
A computer total energy: 486, count: 2

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After you move, the computer and its children will move automatically.

Then the results of this turn will print out on the screen.