CS151L Fall 2013 Week 6: NetLogo Command Cheat Sheet	
reset-ticks	Resets the tick counter. Put in the Setup Procedure after clear-all
tick	Increments the tick counter for the program (for use in update view). Put in the go procedure
globals [variable_names]	A keyword that can only be used at the beginning of a program, before any functions or procedures. It defines new global variables. Global variables are "global" because they are accessible by all agents and can be used anywhere in a model. Most often, globals is used to define variables or constants that need to be used in many parts of the program.  Example: globals [NumTurtles ColorTurtles];; declares two global variables NumTurtles and ColorTurtles.
turtles-own [variable_names]	A keyword that can only be used at the beginning of a program, before any functions or procedures. It defines new turtle variables unique to each turtle Example: <b>turtles-own [eyes legs]</b> ;; declares two turtle variables eyes and legs.
patches-own [variable_names]	A keyword that can only be used at the beginning of a program, before any functions or procedures. It defines new patch variables unique to each patch Example: <b>patches-own [patchColor]</b> ;; declares one patch variable patchColor.
links-own [variable_namse]	A keyword that can only be used at the beginning of a program, before any functions or procedures. It defines new link variables unique to each link Example: <b>links-own [traffic]</b> ;; declares one link variable traffic.
[reporter] of agent	Reports the value of the reporter for that agent (turtle or patch) Example: show [pxcor] of patch 3 5 ;; prints 3

neighbors	Reports an agentset containing the 8 surrounding patches (neighbors).  Example: <b>show count turtles-on neighbors</b> ;;prints the total number of turtles on the eight patches around this turtle or patch  Example: <b>ask neighbors</b> [ <b>set pcolor red</b> ] ;; turns the eight neighboring patches red
scale-color color number range1 range2	<ul> <li>Reports a shade of <i>color</i> proportional to the value of <i>number</i>.</li> <li>Typically <i>number</i> is an agent variable, but may be any numeric reporter.</li> <li>If <i>range1</i> is less than <i>range2</i>, then the larger the number, the lighter the shade of <i>color</i>. But if <i>range2</i> is less than <i>range1</i>, the color scaling is inverted.</li> <li>If <i>number</i> is less than <i>range1</i>, then the darkest shade of <i>color</i> is chosen.</li> <li>If <i>number</i> is greater than <i>range2</i>, then the lightest shade of <i>color</i> is chosen.</li> <li>Note: for <i>color</i> shade is irrelevant, e.g. green and green + 2 are equivalent, and the same spectrum of colors will be used.</li> <li>Example: set pcolor scale-color green bugs 0 maxBugsPerPatch; sets the patch color to a green color that ranges from 0 to the value of maxBugsPerPatch that is proportional to how many bugs are on the patch.</li> </ul>