CS108L Computer Science for All
Week 5: Computer Science Concepts

Boolean: something that evaluates to one of two possible values.

Boolean Expression: A mathematical expression that evaluates to one of two values.

Boolean Logic (Boolean Math or Boolean Algebra): The math of manipulating Booleans. And Boolean expressions

Boolean Operators: Used in Boolean Logic to compare and manipulate Booleans and Boolean expressions. Examples are AND, OR, NOT

Command block – a sequence of commands enclosed in square brackets

Control (of) Flow – refers to the order in which statements or commands are executed and expressions are evaluated in the program
- o   Simple programs = linear sequence
- o   More advanced programs = nonlinear sequence and looping – conditional statements are used to control the flow

Conditional Statement- one that depends on the outcome of a Boolean expression

if-then Statement- If condition is true then perform statements
> If ***condition*** then
>> ***statements***
- ▪ Condition: a boolean (true/false) expression
- ▪ Statements: operations to perform if condition is true

if-else Statement - If condition is true then perform statements1, if the condition is false then perform statements2.
> If ***condition*** then
>> ***Statements1***
> Else
>> **Statements2**
- ▪ Condition : a boolean (true/false) expression
- ▪ Statements: operations to perform if condition is true

Patches – a type of agent in NetLogo, represent the environment