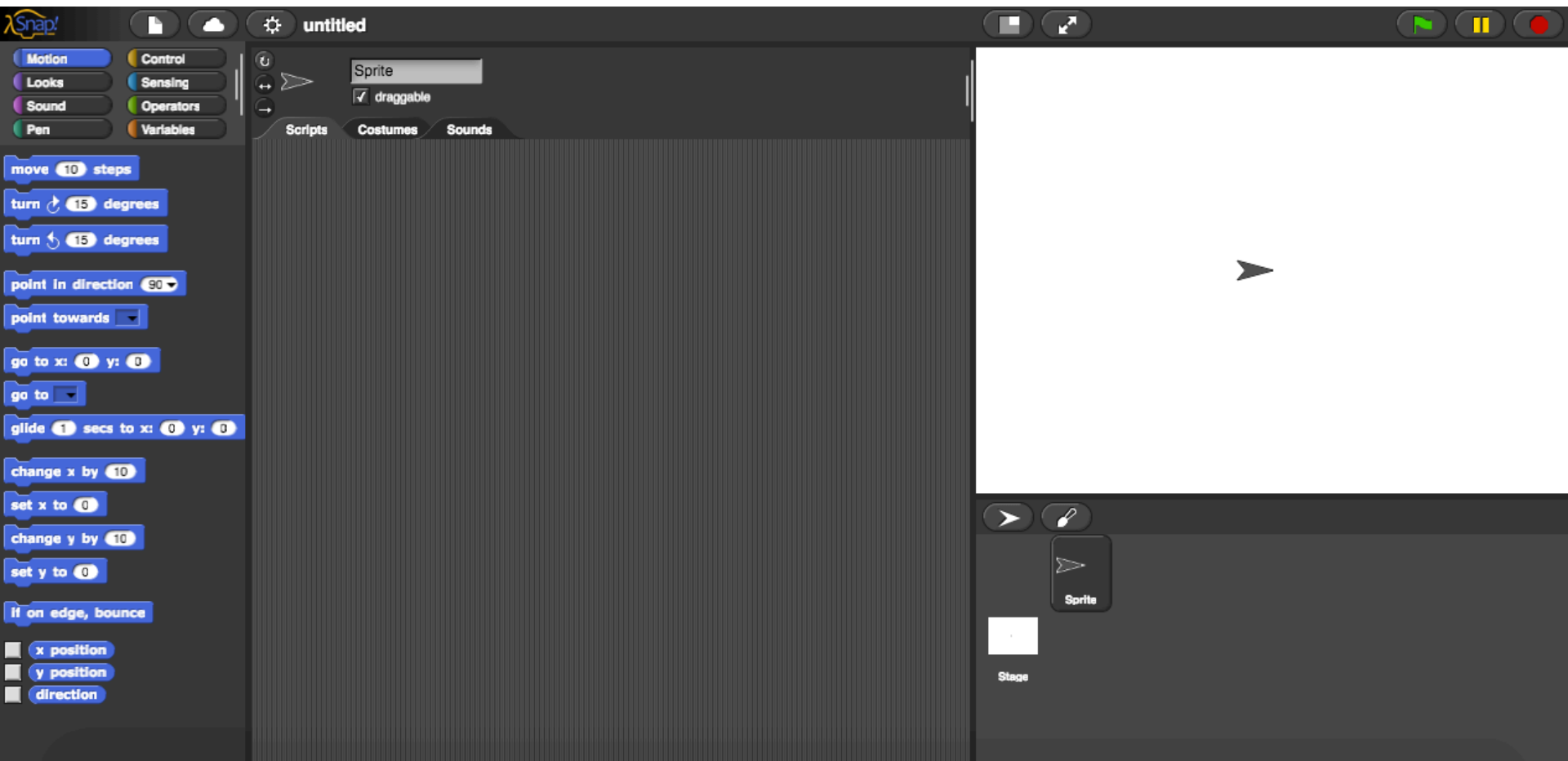


# Introduction to Snap

# The Snap Environment

Accessed through a web browser

<http://snap.berkeley.edu/run>



# Pair Programming

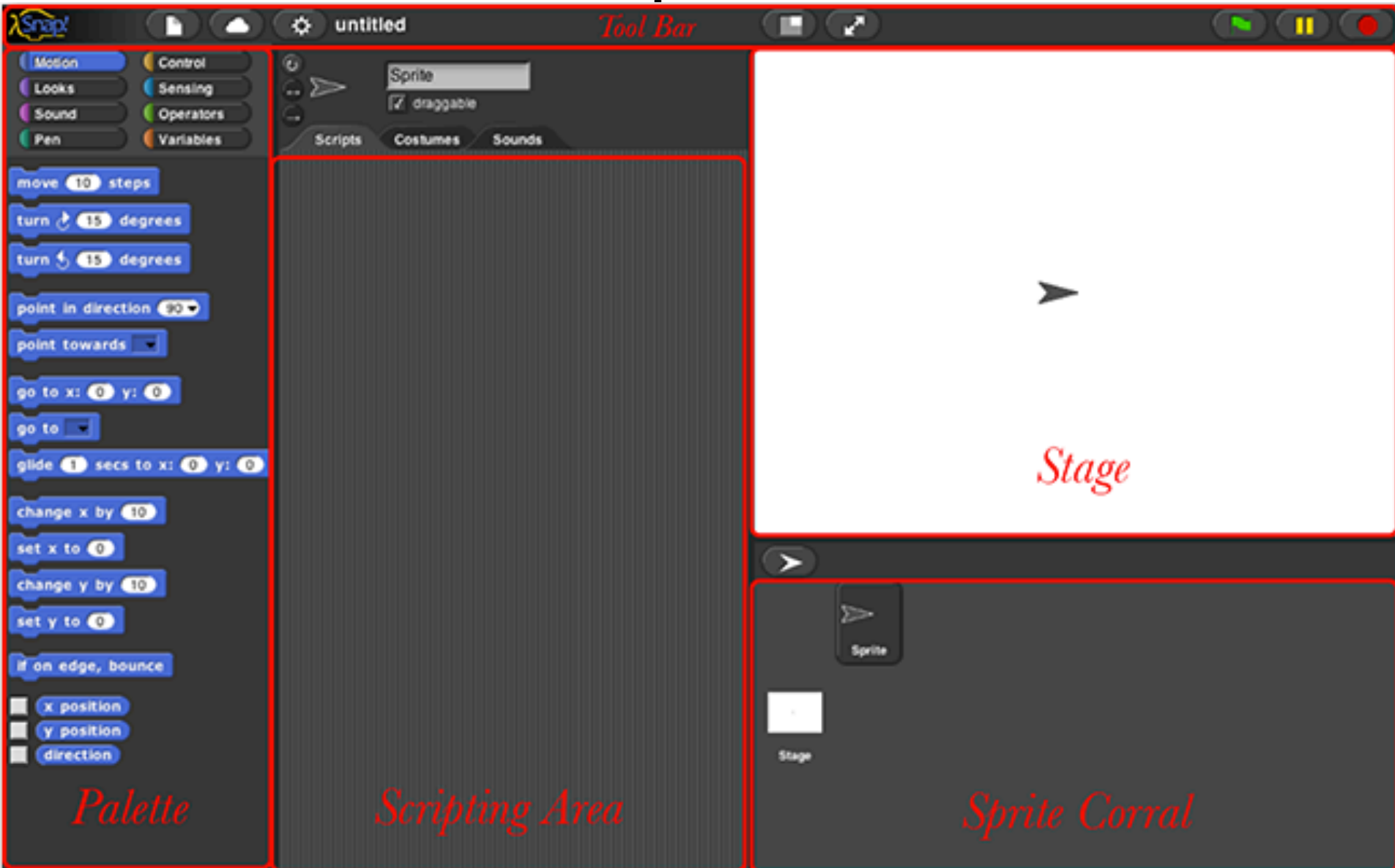
- While not required, is encouraged
- Pair programming is two people working together at one computer. Take turns being the one at the keyboard.
- Pair programming is not “I’ll do this part and you do that part.” (separately)

# Step 1: Create an Account

- Programs you write on one computer can be accessed on another (via the cloud)



# The Snap! Window



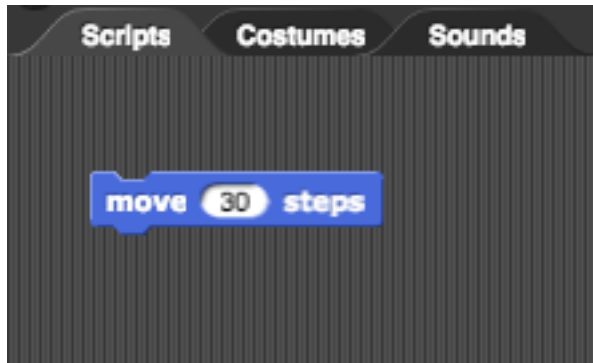
# The Snap! Window

- The Sprite is the small arrow on the stage



# The Snap! Window

- A Block is a single element within the Palette. This is analogous to a line of code.



# The Snap! Window

- Blocks are organized by type in the Palette Window






# The Snap! Window

- Drag blocks from the Palette, drop into the Scripting Area
- Blocks will “Snap” to each other, connecting them, allowing them to be executed *in order*
- Blocks connected to each other are called a Script
- Click on the Script to see the Sprite run in the Stage


What is a single element in Snap! called (analogous to a single line of code)?

- a) Palette
- b) Block
- c) Sprite
- d) I'm just guessing

# Saving a Program

- Programs are saved as .xml files
- Go to  symbol
  - Click “Export Project”
  - (e.g. export as “lab4.xml”)
- For Mac using Safari or Windows using Explorer
  - Follow above steps, but you might see a page full of gibberish. This is the xml code.
  - Right click, and select “Save Page as”
  - Type in the file name. Make sure Page Source is selected as Format

# Saving a Program

- Files saved in the wrong format will be graded as a zero
- You **NEED** to make sure your file is in the right format.
- Go to the  symbol, select “import”, find the file you just exported on your computer, select that.
- You should see your program come up. If the scripting area is blank, you did not export it correctly.

What format are files saved in using Snap?

a) .docx

b) .java

c) .xml

d) .html

# Lab 1: Snap Introduction

- Complete during your lab section
- Due Tuesday April 11 @ 5pm