

# CS167 - Intro Programming

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## Homework 07: Processing (due Mar 08, 2016)

1. **Processing.** Processing is a free, open-source, programming environment invented by artists and data scientists that provides a simple way of making sophisticated visualizations. Processing is not part of the standard Python distribution, so if you do not already have it installed, download and install a suitable version from <http://processing.org/download/> (if given an option, get version 3.0.2).

Once you have installed Processing, run it. Before proceeding, find the dropdown menu in the upper-right corner of the window—it should say "Java". Click the dropdown menu and choose the Add Mode... dialog. Highlight the Python mode written by Jonathan Feinberg and click "Install". Once that's done, close that window and return to the dropdown menu. Select "Python". Once that's done, you'll be able to use Python syntax in the editing window.

Next, copy the "Floating barbell" example from the beginning of [Chapter 16](#) of the text to your Processing window. Read through the lines of code there. Make an interesting tweak to the code. Describe your tweak in a comment at the top of the program and submit the program.

No Above & Beyond element is necessary on this program.

2. Make a sketch of your own from scratch (static or animated, your choice). To best explore the possibilities, try to include each of the following:
  - A loop.
  - Some randomness.
  - Different colors.
  - At least two different shapes.

No Above & Beyond element is necessary on this program.

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### Homework 07 TBA: