EECS 16A Designing Information Devices and Systems I
Fall 2015 Anant Sahai, Ali Niknejad

Homework 0

This homework is due August 31, 2015, at Noon.

This homework is simply administrative, meant to collect some basic information, and make sure you are comfortable with submitting homework and running iPython notebooks. Actual homeworks will start next week.

1. **Account Setup** If you haven't already done so, please login to your instructional account (using your account form), register yourself, and update your password. Instructions for these steps are provided here: `http://inst.eecs.berkeley.edu/~ee16a/fa15/dis/0Tu/q_install.pdf`.

   Please also practice submitting the dummy homework, as described in the above instructions.

2. **Background**

   (a) What is your name?

   (b) Tell us about yourself. Where are you from, what are your hobbies, etc.

   (c) What would you like to learn from this course?

   (d) What would you like to learn from courses in the EECS department before you graduate?

   (e) What is a technology that you would like to see invented in the next ~ 20 years? What might be needed to realize this?

   (f) Tell us about your academic background. What math and physics courses have you taken in high-school?

   (g) What platform do you use (Mac/Linux/Windows)?

3. **Getting to know iPython** In this problem, you will exercise the basics of working with iPython notebooks. These basics include loading a notebook, editing the code therein, executing it and extracting the results of the execution.

   (a) The staff of EE16A prepared a piece of art in order to welcome you to the course. However, after creating it, the staff had a disagreement on what the piece depicts. We need your help to settle the confusion.

   The notebook **prob0.ipynb** contains code that generates the art piece in question. Load the iPython notebook and execute it. Then identify this object, and draw it yourself (by hand). Attach the drawing to your solutions.

   (b) The same notebook contains code that sums up the numbers 0 through 10. You are asked to modify the code such that it sums the numbers 0 through 112. Report the result of the execution of the updated code. In addition, submit the updated notebook in a file named **hw0.ipynb**.