Computer Science 134 – Spring 2020   **Anonymous ID:**
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Homework 0 – *Due: February 10 (in class)*

The purpose of this assignment is for us to get to know you and to gather a few pieces of data (which will not be associated with you) for experiments we'll conduct later. We'll also begin to formalize the notion of an *algorithm*.

1. In this course, we attempt to grade as anonymously as possible. You will be using an *anonymous ID* which is determined as follows:

   - the first digit is your Lecture section (e.g. 2 or 3)
   - the remaining digits are your SU box number (e.g., 2809).

   For example, if you are in Lecture section 2, and have SU box number 2809, then your anonymous ID will be 22809.

   Determine your anonymous ID and write that number above. **Please remember this number.**[1]

2. Print your real name:

3. What is your preferred superpower (e.g. flying, invisibility, etc.)?

4. What would be a great fortune to find in a fortune cookie?
   (Be aware, we already have *You will be swallowed by a cow.*)

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[1] Please note that in case you switch Lecture sections, your anonymous ID will change accordingly.

5. We'll frequently make use of *random integers*. They're "random" because, as they appear, we don't expect them to form patterns. (Humans, by the way, are pretty poor sources of randomness.)

Suppose we asked you to give us a series of random integers that can be written using one or two digits (ie. 00-99). Describe a *procedure* or *algorithm* to generate these values. For example, you might mention the use of dice, or observing cars in traffic, or scanning a printed newspaper. Be creative, but careful.

6. Generate and write down 10 random integers between 00 and 99, ideally using the process you described above.

7. Suppose we answered the above question, again, in an hour. Would your procedure generate the same 10 values, or would they be different? Explain.

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