© 2013 Sudarshan S. Chawathe

**Today** Time complexity basics and the class P. §§ 7.1–2. **Next class** HW05 due. The class NP, and NP-completeness. §§7.3–4.

- 1. List the members of your group below. Underline your name.
- 2. Elaborate on the textbook's Example 7.3 by proving that the values c=6 and  $n_0=10$  have the properties claimed there.

3. Prove or disprove:  $4^{O(\lg n)} = O(n^k)$  for some k.

