1. Undergraduate research. Take a look at the 2009 projects on the surf-it.soe.ucsc.edu web site. Which two are the most interesting to you and why? If you wanted to get involved with this coming SURF-IT how might you do it? What’s integrative system design?

2. Practice your use of binary by converting the numbers 12, 15, 27, 13, 100, 2, and 37 into binary form.

3. Read about how to convert binary numbers to hexadecimal (base 16) numbers on the web (cite your sources!) if needed. What are hex numbers 0xE2, 0x33, and 0x2B in decimal (do this by hand!)? What are they in binary? Don’t just use a calculator, show how you did it.

4. Post a greeting to the class forum (see class website) introducing yourself to the other class mates. Post a joke or cartoon as well.