CS 310H   Computer Organization and Programming   Spring 2010
Professor Fussell   Due: Feb. 4, 2010
Assignment #1

Instructions: The assignment is due in your discussion section on the date shown above. Written assignments are to be handed directly to your TA, and may not be submitted electronically. Written assignments should be neat, with the pages stapled together (if we can't read your answer, credit will not be given). At the top of the first page, write your name, section number, and assignment number. Remember that collaboration on the assignments is not allowed and will be considered academic misconduct. If you have questions, e-mail them to your TA or ask in person.

1. Patt and Patel 1.3

2. Patt and Patel 1.5

3. Patt and Patel 1.15

4. Patt and Patel 1.21

5. Patt and Patel 1.23

6. Patt and Patel 2.3

7. Convert the following unsigned numbers into decimal

    a. 101_2, 101_8, 101_{16}

    b. 765_8, 123_8, 401_8

    c. BB_{16}, CDB_{16}, $1FB_{16}$

8. Convert the following decimal numbers into binary

    a. 641, 101, 32, 1024

9. Repeat #8, but convert into hexadecimal

10. What is the number contained in the message sent out to the class mailing list Wednesday (Jan. 27) afternoon?

11. Submit the completed student information survey form.