

16.216: ECE Application Programming

Fall 2012

Lecture 7: Key Questions September 19, 2012

1. (Review) Describe the C bitwise operators.
2. Explain C bit shift operators and their uses.
3. What is the order of operations for C operators?

4. **Example:** Evaluate each of the following expressions if you have the following unsigned ints: $A = 7$, $B = 10$, and $C = 0xFFFFFFFF$

a. $A \& B$

b. $A \mid \sim B$

c. $A \wedge C$

d. $A \ll 4$

e. $B \gg 5$

f. $A \mid (B \ll 2)$

a. Clear all bits of n?

f. Clear bit b of n (i.e., make sure bit b is 0)?

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