

# **16.216: ECE Application Programming**

Fall 2015

## Lecture 28: Key Questions

November 13, 2015

1. Describe how to represent decimal values in binary (base 2) and hexadecimal (base 16) and how to convert between those bases.

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4. **Example:** Evaluate each of the following expressions if you have the following unsigned int variables:  $A = 7$ ,  $B = 10$ , and  $C = 0xFFFFFFFF$
- a.  $A \& B$

b.  $A \mid \sim B$

c.  $A \wedge C$

d.  $A \ll 4$

e.  $B \gg 5$

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