## **EECE.2160: ECE Application Programming** Spring 2018

Lecture 31: Key Questions April 20, 2018

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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2. Describe the C bitwise operators.

3. Explain C bit shift operators and their uses.

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- 4. <u>Example:</u> 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 | ~B

c.A ^ C

d.A << 4

e.B >> 5

f.A | (B << 2)