EECE.2160: ECE Application Programming Spring 2017

Lecture 7: Key Questions February 1, 2017

1. Explain the basic form of an if statement.

2. Describe how the expression in if (<expression>) is evaluated and show how conditions are evaluated, including multiple conditions in the same expression.

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3. Describe how the statement—the actual code to be executed if the condition is true—is written for an *if* statement.

4. Show how multiple if statements can be nested together (if/else if/else).

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5. **Example:** What does the following code print?

```
int main() {
   int x = 3;
   int y = 7;
   if (x > 2)
       x = x - 2;
   else
       x = x + 2;
   if ((y % 2) == 1)
   {
       y = -x;
       if ((x != 0) && (y != -1))
        y = 0;
   }
   printf("x = d, y = d, y = d, y;
   return 0;
}
```