EECE.2160: ECE Application Programming

Spring 2018

Lecture 8: Key Questions February 9, 2018

1	Evnlain	the basic	form of an	if statement.
Ι.	Explain	the basic	torm of an	1 I statement.

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

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).

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\n", x, y);
    return 0;
}
```