

# **16.216: ECE Application Programming**

Spring 2015

## Lecture 3: Key Questions

January 26, 2015

1. Explain how `#define` can be used to assign a symbolic name to a constant.
2. What are the four key characteristics of a variable?
3. What rules must be followed when naming variables?
4. Show how variables are declared and how values are assigned to them.

5. **Example:** What values do w, x, y, and z have at the end of this program?

```
int main() {  
    int w = 5;  
    float x;  
    double y;  
    char z = 'a';  
    x = 8.579;  
    y = -0.2;  
    w = x;  
    y = y + 3;  
    z = w - 5;  
    return 0;  
}
```