EECE.2160: ECE Application Programming
Fall 2016

Lecture 3: Key Questions
September 9, 2016

1. List the four basic data types in C, as well as some valid and invalid values for each type.

2. Briefly explain valid character constants.

3. What are the four key characteristics of a variable?

4. What rules must be followed when naming variables?

5. Show how variables are declared and how values are assigned to them.

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

```c
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;
}
```