

# **16.216: ECE Application Programming**

Fall 2013

## Lecture 4: Key Questions September 11, 2013

1. Describe the use of `scanf ( )` for reading input values into variables.
2. How does `scanf ( )` handle whitespace and other characters in format string?

3. **Example:** Assume you have the following variables: `int i; double d; char c;`  
If your program contained each of the following calls to `scanf()`, what values would be read into the appropriate variables, given user input?
- a. Input: 34 5.7  
`scanf("%d%lf", &i, &d)`
  
  - b. Input: 34 5.7  
`scanf("%d %lf", &i, &d)`
  
  - c. Input: 34 5.7  
`scanf("%lf%d", &d, &i)`
  
  - d. Input: 34 5.7  
`scanf("%d%c", &i, &c)`
  
  - e. Input: 34 5.7  
`scanf("%d %c", &i, &c)`

- 3