## **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.

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)

4. Explain how to set the field width, alignment, and padding characters for values printed using printf().

5. Explain how to set the precision of a value printed using printf(), and what the precision means for the different data types.