16.216: ECE Application Programming
Spring 2015

Lecture 8: Key Questions
February 13, 2015

1. Discuss how to use `if` statements to check that a value falls within a desired range.

2. **Example:** Write a short code sequence that does each of the following:

a. Given `int x`, check its value. If `x` is more than 5 and less than or equal to 10, print
   `x`

b. Prompt for and read temperature as input (type `double`). If temp is 90 or higher,
   print "It's too hot!" If temp is 32 or lower, print "It's freezing!" In all other cases,
   print "It's okay"

c. Read 3 `int` values and print error if input problem
   • If fewer than 3 values read, print error message with number of values
   • Example: `Error: only 2 inputs read correctly`