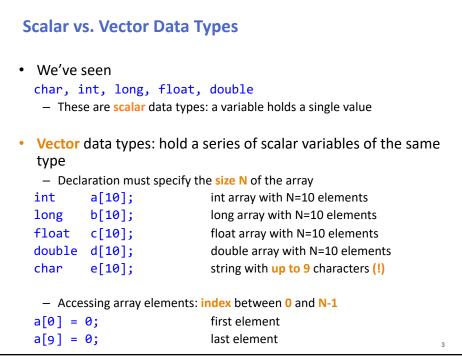
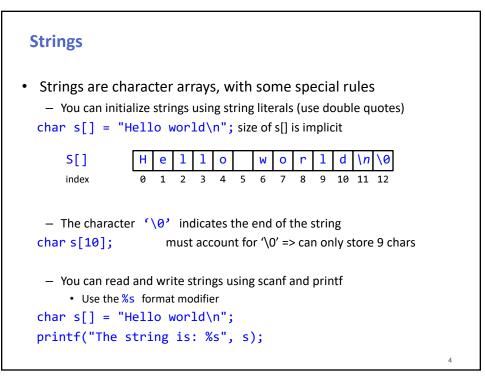
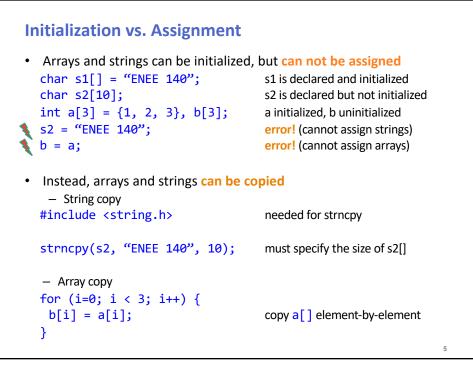


Today's Lecture	
<ul> <li>Where we've been</li> <li>Scalar data types (int, long, float, double, char)</li> <li>Integer and floating point arithmetic</li> <li>Basic control flow (while and if)</li> <li>Functions</li> </ul>	
<ul> <li>Where we're going today         <ul> <li>Vector data types: arrays, strings</li> <li>Defensive programming and assert()</li> <li>Testing</li> <li>Project 1 Q&amp;A</li> </ul> </li> </ul>	
<ul> <li>Where we're going next</li> <li>Project 1: partial implementation due on Friday</li> <li>Midterm exam (after the Spring Break)</li> <li>Complex programs</li> </ul>	2







Reading Strings
<ul> <li>scanf: input string stops at whitespace or at the max field width char s[10]; scanf("%9s", s); specify field width 9 to allow for '\0' terminator note: s instead of &amp;s</li> </ul>
<ul> <li>fgets: read whole line up to specified size - 1 fgets(s, 10, stdin); stdin is the standard input stream         (more on this later)         <ul> <li>The '\n' character will be included in s[]</li> <li>fgets() returns NULL on EOF or error</li> </ul> </li> </ul>
<ul> <li>Read input line-by-line, until EOF is encountered while (fgets(s, 10, stdin) != NULL) { }</li> </ul>
<ul> <li>Use a string as input source sscanf(s, "%d", &amp;i); read integer i from string s[]</li> </ul>

