16.216: ECE Application Programming
Spring 2012

Lecture 31: PE5
April 18, 2012

1. **Example**: Write a function for each of the following:
a. `int readStrings(char *s);`
Repeatedly read strings from standard input until the input string matches `s`. Return the number of strings read.

b. `void copyNull(char *s1, char *s2, int n);`
Copy the first *n* characters of `s2` into `s1`, and make sure that the new version of `s1` terminates with a null character.

c. `int fillString(char *s);`
Repeatedly read strings from standard input and concatenate them to `s` until there is no room in the string. Return the final length of the string.

For example, if `s` is a 6-character array already holding "abcd":
- User enters "e"—string is full; return 5
- User enters "ef"—there's not enough room; return 4