Vulnerabilities

**Buffer overflow**

# Screwing with numbers Solutions

### **What would be a better bounds checking than the one used here?**

Answers will vary but should account for users inputting letters or special characters.

### **What services would need to take integer overflow into consideration when using software?**

Anything that involves numbers that need to be precise, such as banking, scientific work, etc.

### **What makes fgets() better than scanf()? what parameters go in the parenthesis of fgets() to make it work?**

In its default use, scanf does not limit the number of characters it reads in; fgets has a maximum number of char it can read in.

fgets() parameters are as follows: fgets(char \*str, int n , FILE \*stream);

* char \*str is a pointer to an array that will store the new line
* int n is the size limit
* FILE \*stream is the pointer to a file where the string of characters will be taken from