Name: Lucas Estevez

Class: CS2160

**Description:** In this assignment, I wrote a stack canary to protect my program from buffer overflow attacks. I also calculated an input to sneak through said check.

**Resources:**

UCCS Math Center

**Time**: ~4 hours

I couldn’t figure out how to force quit the program, I asked a tutor in the math center for help and he was extremely helpful.

I also kept messing up the return address for sekret\_fn.

**Part 1:**

I used 0x78787878 as my canary value (“xxxx”).

A screenshot of a computer

Description automatically generated

When the value of the canary is changed after a gets call, the program is placed into an infinite loop.

**Part 2:**

abcdefghijklmnopqrstxxxxh2€€

A screenshot of a computer

Description automatically generated

**Logs**

A screenshot of a phone

Description automatically generated