# COMP 5370/6370 ASSIGNMENT 4

You are provided with two socket programs in C. One of them acts as a server and the other as a client (they will be uploaded on the Canvas).

Your homework consists of testing whether the server is vulnerable to buffer overflow attack. If not, modify the server to create such a vulnerability. If yes, modify the server to eliminate the vulnerability.

* If you are using latest gcc version to compile, use ‘–fno-stack-protector’ option while compiling the server and client.
* Run server and client on two different shell terminals.
* Figure out if server is prone to buffer attacks.
* Modify the program as necessary and explain those modifications in detail.

**NOTE**

* Give screenshots of the working of your modified server and client.
* Highlight modified parts of code in a document.
* Your submission must contain
* Modified Server.c and client.c files
* Document that has screenshots of modified & working server.c and client.c
* Detailed explanation of the modifications you made.