

Sri Lanka Institute of Information Technology

Faculty of Computing

Network Programming

Worksheet 7

Part 1: Identify the usage of Socket Options

- 1) Create a new folder named practical4 in your home directory and download **practical6.tar** file from the Courseweb.
- 2) Compile and run the **checkopts.c** file and view the socket options of the socket created.

gcc -o checkopts checkopts.c

- 3) Identify the two types of the socket options.
- 4) Edit **server.c** file to set the TCP send buffer (**SO_SNDBUF**) AND TCP receive buffer (**SO_RCVBUF**) each for 16000 using *setsockopt ()* function and display the changed values of the socket using *getsockopt ()*.

Compile and run both the **server.c** and **client.c** files and view the displayed values.

gcc -o server server.c

gcc -o client client.c

- 5) Is the same value you have given, shown as the output? If not find out the reason for that.

