CPE 353 Lab006

Goals

Practice using the following elements of Qt

- Networking
- TCP sockets
- Signal-Slot connections
- Netcat utility

Use the Netcat utility (**nc**) to test your socket code.

1. In a new terminal window type the following command to start Netcat TCP connection to port **5678** on local host (**127.0.0.1**)

   ```
   nc -l 127.0.0.1 5678
   ```

2. Start your Qt program

3. Click on terminal window

4. Type lines of text followed by return/enter key. Text entered into Netcat will be sent via TCP to your Qt program, which should display **ALL** text received in a text browser object.

5. Use Control-C to exit Netcat

Directions

Use **Qt Creator** to implement your own version of the Lab006 program.

Type the following while logged into **blackhawk** or a Linux lab machines to execute the sample solution.

/home/work/cpe353/labs/lab006

A video discussing the solution is available via Canvas.

If you have questions, please contact the course instructor.

Hints

You may need to include the following lines when working in the Linux labs

#include <QNetworkProxy>

socket->setProxy(QNetworkProxy::NoProxy);

where socket is a pointer to a **QTcpSocket** object.