CMPE 156/L, Winter 2017

Programming Assignment 1
Due: Monday, Jan 30

The purpose of this project is to develop the server and client sides of a simple remote shell application. The user of the client application can type various Unix shell commands, which execute on the server and return results back to the client. The command results need not be stateful (e.g., cd /tmp, pwd). The client will then display the results on stdout, as if the commands were run on the local machine.

Requirements

- The server code must accept its listening port number as the first command line parameter (from argv[1]). That is, you should be able to run the server using the

Example of commands

The server should be able to execute these commands:

```
cat /etc/resolv.conf
cat <filename>
date
df -h
du
echo $PATH
echo <environment variable>
free
last
ps aux
pwd
set
tty
uname -a
uptime
who

exit
```