

Assignment 5: Remote procedural calls

The project requires two simple C programs to communicate with each other using Remote procedural calls (RPC). The file, receiver.c runs in an infinite background loop receiving alpha numeric values as input from the user, one line at a time reading one line from the standard input, the program then sends this information to the other program only if the line contains the secret code "COOL".

This file, server.c houses the RPC call back, commrpc_1_svc. It receives the message from client.c. It prints the received message. It then creates a file called secrets.out and prints the total number of digits in the text and the text itself into it.

If rpcbind is not installed, the same can be installed using the following:

```
sudo apt-get install rpcbind
```

Instructions for execution:

```
rpcgen os.x
```

```
cc receiver.c os_clnt.c -o receiver -lnsl
```

```
cc processor.c os_svc.c -o processor -lnsl
```

```
./processor
```

```
./receiver <hostname>
```

You will now see a prompt to input the data to be sent. The output will be saved in secrets.out file.

For detailed comments on how the program works, please refer the code.

TIP: Do not alter the files generated when the when `rpcgen os.x` file command is run.