Distributed Systems

TCP/IP Sockets Demo 2

Demo 2: Binding a socket

This sample program illustrates the creation of a TCP/IP socket using the *socket* system call and binding it to any available port. It then uses the *getsockname* system call to print the port number that the operating system assigned to the socket. It doesn't do anything beyond that.

To run it, download the demo file and unzip it to create the `demo-02` directory. Then compile the file by running `make` or manually with:

```
gcc -o demo-02 demo-02.c
```

and run it:

```
./demo-02
```

The `./` prefix is there just in case you don't have the current directory in your search path (it's a good security practice not to). If you're on a SunOS (System V) machine, you'll need to link with the socket library by compiling with:

```
gcc -o demo-02 demo-02.c -lsocket
```

You'll need to edit the makefile and uncomment the `LIBS` definition.
⇒ Download the demo file (zip)
