Server Code

The following describes the steps of a server accepting connections from a client:

```
1. Create a UDP socket:
```

```
listensockfd = socket (AF INET, SOCK DGRAM, 0);
```

2. Get information about host running server:

```
gethostname(hostname, 32);
hostptr = gethostbyname(hostname);
```

3. Fill in destination address structure:

4. Bind socket locally:

5. Process incoming messages:

Client Code

In a nutshell, client code must perform the following steps to communicate with a server:

1. Create a UDP socket:

```
sockfd= socket (AF INET, SOCK DGRAM, 0);
```

2. Get information about destination host:

```
hostptr = gethostbyname(name);
```

3. Fill in destination address structure:

4. Send message to server:

5. Receive message from server:

6. Close socket:

```
close (sockfd);
```