

## pseudocode.txt

### init

- create ip lookup button
- create hostname lookup button
- create service lookup button
- create port lookup button

### host name lookup

- allocate required winsock variables on stack
- get ip address from user
- connect to winsock
- lookup ip address with winsock
- close winsock
- if error
  - return blank
- else
  - return formatted host name

### ip lookup

- allocate required winsock variables on stack
- get host name from user
- connect to winsock
- lookup host name with winsock
- close winsock
- if error
  - return blank
- else
  - return formatted ip address

### service lookup

- allocate required winsock variables on stack
- get port from user
- get protocol from user
- connect to winsock
- lookup service with winsock
- close winsock
- if error
  - return blank
- else
  - return service name

### port lookup

- allocate required winsock variables on stack
- get service name from user
- get protocol from user

# pseudocode.txt

```
connect to winsock
lookup port with winsock
close winsock
if error
    return blank
else
    return port number
```

## main

```
if ip lookup button is pressed
    ip lookup
if host name lookup button is pressed
    host name lookup
if service lookup button is pressed
    service lookup
if port lookup button is pressed
    port lookup
if exit
    close program
```