

```
import java.net.Socket;
import java.net.UnknownHostException;
import java.io.IOException;

public class PortProbe {
    public static void main (String[] args) {
        if (args.length < 1) {
            System.err.println("Usage: PortProbe <IP address>" );
            return;
        }
        String host = args[0];
        int[] ports = { 7,    // ping
                      13,   // daytime
                      21,   // ftp
                      23,   // telnet
                      71,   // finger
                      80,   // http
                      119,  // nntp
                      161  // snmp
        };
        for (int i=0; i < ports.length; i++) {
            try {
                Socket sock = new Socket (host, ports[i]);
                System.out.println (host + " listening on port " + ports[i]);
                sock.close();
            }
            catch (UnknownHostException e) {
                System.err.println (e);
                return;
            }
            catch (IOException e) {
                System.out.println (host + " not listening on port " + ports[i]);
            }
        }
    }
}
```