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import java.net.*;
import java.io.*;
/** A starting point for network servers. You'll need to
   override handleConnection, but in many cases listen can
   remain unchanged. NetworkServer uses SocketUtil to simplify
   the creation of the PrintWriter and BufferedReader.
   <P>
 * Taken from Core Servlets and JavaServer Pages 2nd Edition
   from Prentice Hall and Sun Microsystems Press,
   http://www.coreservlets.com/.
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   May be freely used or adapted.
public class NetworkServer {
 private int port, maxConnections;
  /** Build a server on specified port. It will continue to
     accept connections, passing each to handleConnection until
     an explicit exit command is sent (e.g., System.exit) or
     the maximum number of connections is reached. Specify
     0 for maxConnections if you want the server to run
     indefinitely.
   */
  public NetworkServer(int port, int maxConnections) {
    setPort (port);
    setMaxConnections (maxConnections);
  }
  /** Monitor a port for connections. Each time one is
     established, pass resulting Socket to handleConnection.
   * /
  public void listen() {
   int i=0;
    try {
      ServerSocket listener = new ServerSocket (port);
      Socket server;
      while((i++ < maxConnections) || (maxConnections == 0)) {</pre>
        server = listener.accept();
        handleConnection(server);
      }
    } catch (IOException ioe) {
      System.out.println("IOException: " + ioe);
      ioe.printStackTrace();
    }
  }
  /** This is the method that provides the behavior to the
      server, since it determines what is done with the
   *
      resulting socket. <B>Override this method in servers
      you write.</B>
     <P>
     This generic version simply reports the host that made
      the connection, shows the first line the client sent,
      and sends a single line in response.
   */
  protected void handleConnection (Socket server)
      throws IOException{
    BufferedReader in = SocketUtil.getReader(server);
    PrintWriter out = SocketUtil.getWriter(server);
    System.out.println
      ("Generic Network Server: got connection from " +
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server.getInetAddress().getHostName() + "\n" +
     "with first line '" + in.readLine() + "'");
  out.println("Generic Network Server");
  server.close();
}
/** Gets the max connections server will handle before
 * exiting. A value of 0 indicates that server should run
 * until explicitly killed.
 */
public int getMaxConnections() {
  return (maxConnections);
}
/** Sets max connections. A value of 0 indicates that server
 * should run indefinitely (until explicitly killed).
 */
public void setMaxConnections(int maxConnections) {
  this.maxConnections = maxConnections;
}
/** Gets port on which server is listening. */
public int getPort() {
  return(port);
}
/** Sets port. <B>You can only do before "connect" is
 * called.</B> That usually happens in the constructor.
 */
protected void setPort(int port) {
 this.port = port;
}
```

}