

The screenshot shows the Eclipse IDE interface. The top toolbar contains various icons for file operations, running, and debugging. The left sidebar shows a project explorer with a tree view containing 'Client', 'Server', and 'src' folders. The main editor area displays the 'Server.java' file. The bottom console window shows the output of the application, which is a Java application running on port 6666. The console output shows the server starting, receiving messages from clients, and sending responses.

```
<terminated> Server [Java Application] C:\Users\Utah15\Downloads\eclipse-java-2021-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.jre\bin\java.exe
Startup the server side over port 6666 ....
DESKTOP-HR4BI80/192.168.56.1
Connection established.
received a message from client: newclient jim
received a message from client: newclient jen
received a message from client: newclient jim2!
received a message from client: newclient jim bob

jon
received a message from client: push    jon,    {    jen,    jim2!},    hello!

jim
received a message from client: push    jim,    {    jen,    jim2!},    hello!

jen
received a message from client: push jen, {jen, jim2!, jim}, test broadcast

jen
received a message from client: push jen, {jim}, goodbye jim

received a message from client: knowothers

received a message from client: pull jen

received a message from client: pull jim2!

received a message from client: pull jim

jim
received a message from client: push jim, {jen}, push jen, {jen, jim2!, jim}, test broadcast

received a message from client: pull jen
```