



## Lesson 3

Remote Method Invocation (RMI)

Mixing RMI and sockets

Rethinking out tic-tac-toe game



# Distributed Objects

- ◆ Simple idea – objects existing on one machine (server) may be accessed from another machine through regular method call.



- ◆ Eliminates need to “marshal” and “unmarshal” data sent over sockets
- ◆ Underlying socket code still exists, but is not programmed by user.



# RMI vs. CORBA

- ◆ *RMI* is Java framework for creating distributed object applications – Remote Method Invocation
- ◆ *CORBA* is alternative technology based on open standard – Common Object Request Broker Architecture
- ◆ RMI is only for pure Java applications; CORBA is language independent
- ◆ *JNI* makes this distinction a little less rigid since it allows Java to interact with other languages