

rmidemo

# How to run the demo

- Running the rmidemo requires two terminal windows on the same host
  - RMI Registry and RMI Server
  - RMI Client
- The Java specification changes often
- These are instructions for JDK 21, the latest long-term release

# Compile the code. Create api jar file

- There is an Ant script in the project directory
- Compile the code with the provided Ant script
  - % ant
- Note: ant -p will show the main targets in the Ant script

# RMI Registry

- The RMI Registry is like a name server
  - Java programs can check the registry for a reference to a remote object
  - In this demonstration, the RMI registry is created by the Server

# RMI Server

- The RMI server instantiates the remote object and creates the RMI registry
- The RMI server also “publishes” it in an RMI Registry
- % `java -cp build -myrmi.server.Server`

# RMI Client

- The RMI Client looks up the remote object from an RMI Registry and then calls methods defined in that object
- % `java -cp build myrmi.client.Client localhost`