Import Statements:

import java.rmi.\*;: Imports classes and interfaces related to RMI.

import java.util.\*;: Imports utility classes including Scanner for user input.

Main Class:

The client class is the main class of the program.

Main Method:

public static void main(String args[]): This is the entry point of the program.

Creates a new Scanner object sc to read user input.

Remote Method Invocation:

Inside the try block, it establishes a connection with the remote server using RMI.

String serverURL = "rmi://localhost/server";: Specifies the URL of the remote server.

ServerIntf serverInft = (ServerIntf) Naming.lookup(serverURL);: Looks up the remote object using its URL and casts it to the interface type ServerIntf.

User Input:

Prompts the user to enter two numbers using System.out.println() statements.

Reads the user input using sc.nextDouble() and stores them in variables d1 and d2.

Remote Method Invocation (Continued):

Invokes remote methods on the server object to perform arithmetic operations.

Calls serverInft.addition(d1, d2) to add the two numbers.

Calls serverInft.substraction(d1, d2) to subtract the second number from the first.

Calls serverInft.multiplication(d1, d2) to multiply the two numbers.

Calls serverInft.division(d1, d2) to divide the first number by the second.

Output:

Prints the results of each arithmetic operation using System.out.println() statements.

Exception Handling:

Catches any exceptions that occur during the execution of the program and prints the exception message.

This program demonstrates how to use RMI to invoke methods on a remote server to perform arithmetic operations and display the results.