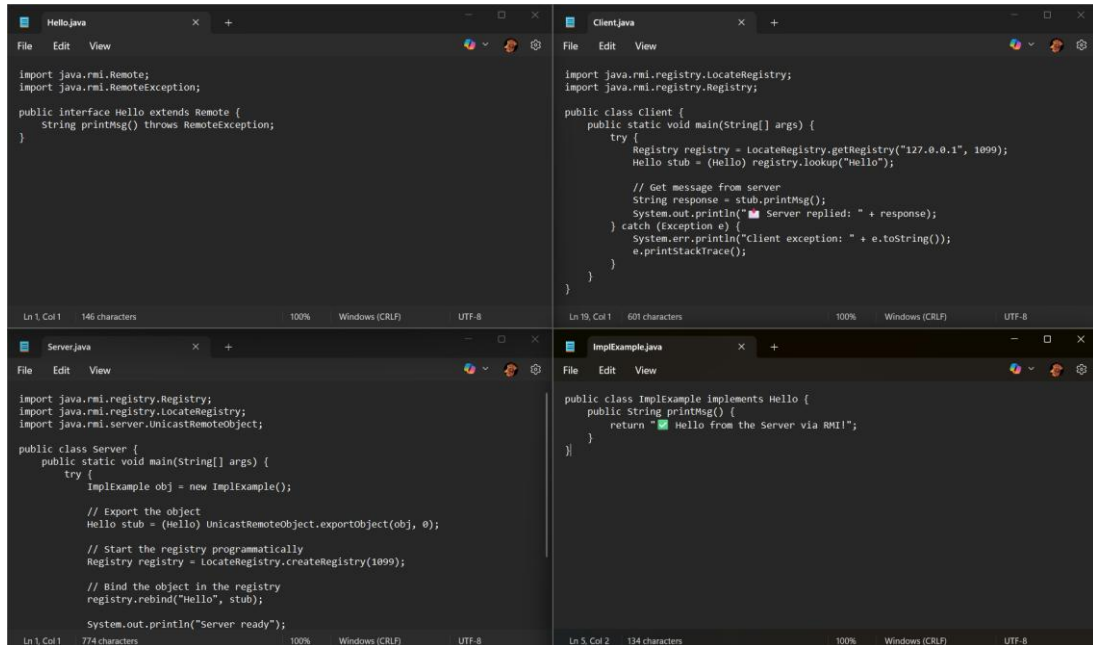


1]Program



```

Hello.java
import java.rmi.Remote;
import java.rmi.RemoteException;

public interface Hello extends Remote {
    String printMsg() throws RemoteException;
}

Client.java
import java.rmi.registry.LocateRegistry;
import java.rmi.registry.Registry;

public class Client {
    public static void main(String[] args) {
        try {
            Registry registry = LocateRegistry.getRegistry("127.0.0.1", 1099);
            Hello stub = (Hello) registry.lookup("Hello");

            // Get message from server
            String response = stub.printMsg();
            System.out.println("Server replied: " + response);
        } catch (Exception e) {
            System.err.println("Client exception: " + e.toString());
            e.printStackTrace();
        }
    }
}

Server.java
import java.rmi.registry.Registry;
import java.rmi.registry.LocateRegistry;
import java.rmi.server.UnicastRemoteObject;

public class Server {
    public static void main(String[] args) {
        try {
            ImplExample obj = new ImplExample();

            // Export the object
            Hello stub = (Hello) UnicastRemoteObject.exportObject(obj, 0);

            // Start the registry programmatically
            Registry registry = LocateRegistry.createRegistry(1099);

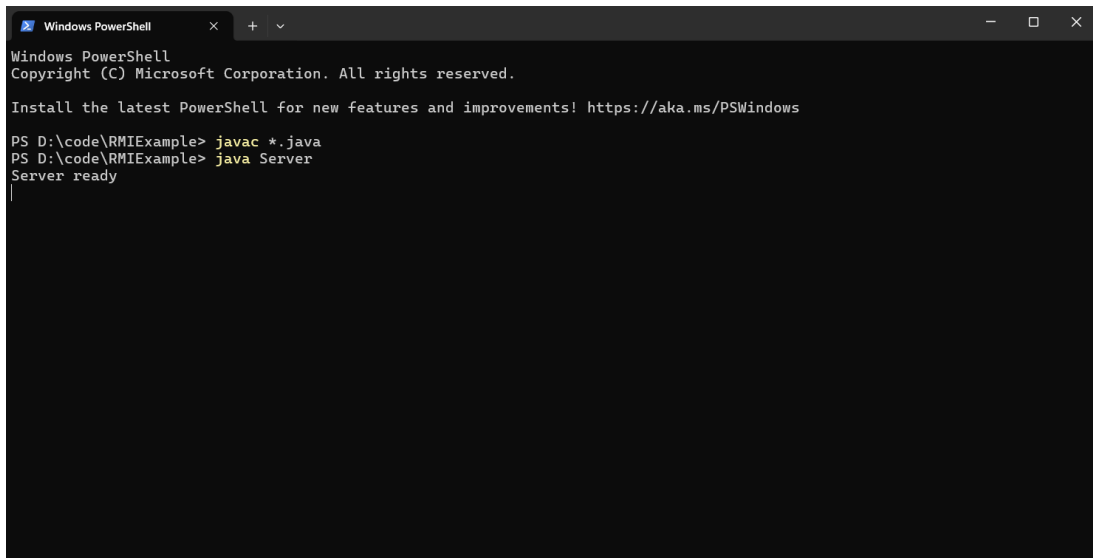
            // Bind the object in the registry
            registry.rebind("Hello", stub);

            System.out.println("Server ready");
        }
    }
}

ImplExample.java
public class ImplExample implements Hello {
    public String printMsg() {
        return "Hello from the Server via RMI!";
    }
}

```

2] Server



```

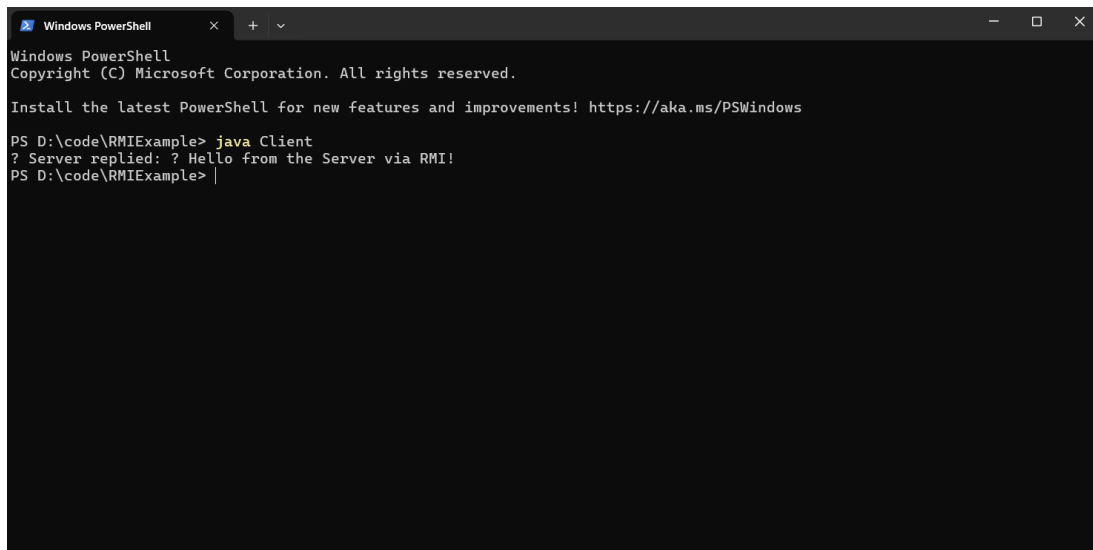
Windows PowerShell
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PS D:\code\RMIExample> javac *.java
PS D:\code\RMIExample> java Server
Server ready

```

3]Client



```

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PS D:\code\RMIExample> java Client
? Server replied: ? Hello from the Server via RMI!
PS D:\code\RMIExample>

```