

1]Program

The image shows four code editors side-by-side:

- Hello.java**: A Java interface named Hello extending Remote. It contains a single method printMsg() that throws RemoteException.
- Client.java**: A Java class Client with a static main() method. It uses LocateRegistry to get a registry, looks up a Hello stub, and prints the response from the server's printMsg() method.
- Server.java**: A Java class Server with a static main() method. It creates an ImplExample object, exports it as a remote object, starts a registry on port 1099, and binds the object to "Hello". It then prints "Server ready".
- ImplExample.java**: A Java class that implements the Hello interface. Its printMsg() method returns the string "Hello from the Server via RMI!".

2] Server

A Windows PowerShell window titled "Windows PowerShell" running on Windows 10. The command java *.java is run, followed by java Server. The output shows "Server ready".

```
PS D:\code\RMIEExample> java *.java
PS D:\code\RMIEExample> java Server
Server ready
```

3]Client

A Windows PowerShell window titled "Windows PowerShell" running on Windows 10. The command java Client is run. The output shows the server's reply: "? Hello from the Server via RMI!".

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