**EXP 4: JAVA RMI**

Step1 – Create a Java Project

Step2 – Create package name pkg\_RMI

Step3 – Create interface name RMI\_Interface

Step 4 – Create 2 class for RMI\_Server and RMI\_Client

**INTERFACE: RMI\_interface**

**package pkg\_RMI;**

**import java.rmi.Remote;**

**import java.rmi.RemoteException;**

**public interface RMI\_interface extends Remote{**

**public void displayMessage() throws RemoteException;**

**}**

**CLIENT: RMI\_Client**

**package pkg\_RMI;**

**import java.net.MalformedURLException;**

**import java.rmi.Naming;**

**import java.rmi.NotBoundException;**

**import java.rmi.RemoteException;**

**public class RMI\_Client {**

**public static void main(String[] args) throws**

**MalformedURLException, RemoteException,NotBoundException{**

**try {**

**RMI\_interface helloAPI = (RMI\_interface)**

**Naming.lookup("rmi://localhost:1878/hello");**

**helloAPI.displayMessage();**

**}**

**catch(Exception e)**

**{**

**System.out.println("The RMI APP is not running...");**

**e.printStackTrace();**

**}**

**}**

**}**

**SERVER:RMI\_Server**

**package pkg\_RMI;**

**import java.rmi.server.UnicastRemoteObject;**

**import java.rmi.AlreadyBoundException;**

**import java.rmi.RemoteException;**

**import java.rmi.registry.LocateRegistry;**

**import java.rmi.registry.Registry;**

**import java.rmi.server.UnicastRemoteObject;**

**public class RMI\_Server extends UnicastRemoteObject implements**

**RMI\_interface{**

**public RMI\_Server() throws RemoteException {**

**super();**

**}**

**public static void main(String[] args)throws RemoteException,**

**AlreadyBoundException {**

**try {**

**Registry registry =**

**LocateRegistry.createRegistry(1878);**

**registry.bind("hello", new RMI\_Server());**

**System.out.println("The RMI\_Server is running and ready...");**

**}**

**catch (Exception e) {**

**System.out.println("The RMI\_Server is not running...");**

**}**

**}**

**@Override**

**public void displayMessage()throws RemoteException{**

**System.out.println("----------------------------------------------");**

**System.out.println("Hello Bhai!");**

**System.out.println("----------------------------------------------");**

**}**

**}**

**Module-info.java**

**module** demo {

**requires** java.rmi;

**exports** pkg\_RMI;

}

**Output:**

