**Code:**

**Filename: AddServerIntf.java**

1. import java.rmi.\*;
2. import java.rmi.server.\*;
4. public interface AddServerIntf extends Remote{
5. public double add(double a, double b) throws RemoteException;
6. public double subtract(double a,double b) throws RemoteException;
7. public double multiply(double a, double b) throws RemoteException;
8. public double divide(double a, double b) throws RemoteException;
9. }

**Filename: AddServerIntf.java**

1. import java.rmi.\*;
2. import java.rmi.server.\*;
4. public class AddServerImpl extends UnicastRemoteObject implements AddServerIntf{
6. AddServerImpl() throws RemoteException{
7. super();
8. }
10. public double add(double a, double b) throws RemoteException{
11. return a+b;
12. }
14. public double subtract(double a,double b) throws RemoteException{
15. return a-b;
16. }
18. public double multiply(double a, double b) throws RemoteException{
19. return a\*b;
20. }
22. public double divide(double a, double b) throws RemoteException{
23. if(b == 0){
24. System.out.println("Cannot divide by 0");
25. return 0;
26. }
27. else
28. return a/b;
29. }
31. }

**Filename: AddServer.java**

1. import java.rmi.\*;
2. import java.rmi.server.\*;
4. public class AddServer{
5. public static void main(String[] args) throws Exception{
6. AddServerImpl add = new AddServerImpl();
7. Naming.rebind("AddServer",add);
8. }
9. }

**Filename: AddClient.java**

1. import java.rmi.\*;
2. import java.io.\*;
3. import java.util.Scanner;
5. public class AddClient{
6. public static void main(String[] args) throws Exception{
8. String ip;
9. double a,b;
10. Scanner sc = new Scanner(System.in);
12. System.out.print("Enter IP Address Client[-1 if no remote client]: ");
13. ip = sc.nextLine();
14. if(ip.equals("-1")){
15. ip = "127.0.0.1";
16. }
18. String url = "rmi://" + ip + "/AddServer";
19. AddServerIntf addServerIntf = (AddServerIntf) Naming.lookup(url);
21. System.out.println("Enter the first number: ");
22. a = sc.nextDouble();
23. System.out.println("Enter the second number: ");
24. b = sc.nextDouble();
26. System.out.println("Addition : " + addServerIntf.add(a,b));
27. System.out.println("Subtraction : " + addServerIntf.subtract(a,b));
28. System.out.println("Multiplication : " + addServerIntf.multiply(a,b));
29. System.out.println("Division : " + addServerIntf.divide(a,b));
31. }
32. }

**Output:**





