

AddServer.java

```
import java.rmi.Naming;
public class AddServer
{
    public static void main(String[] args)
    {
        try
        {
            Naming.rebind("Add", new Add());
            System.out.println("Server is connected and waiting for connection");
        }
        catch(Exception e)
        {
            System.out.println("Server could not connect"+e);
        }
    }
}
```

AddClient.java

```
import java.rmi.Naming;
public class AddClient
{
    public static void main(String[] args)
    {
        try
        {
            AddInterface ai = (AddInterface)Naming.lookup("//localhost/Add");
            System.out.println("The sum of 2 nos is " +ai.sum(10,22));
        }
        catch(Exception e)
        {
            System.out.println("Client Exception"+e);
        }
    }
}
```

AddInterface.java

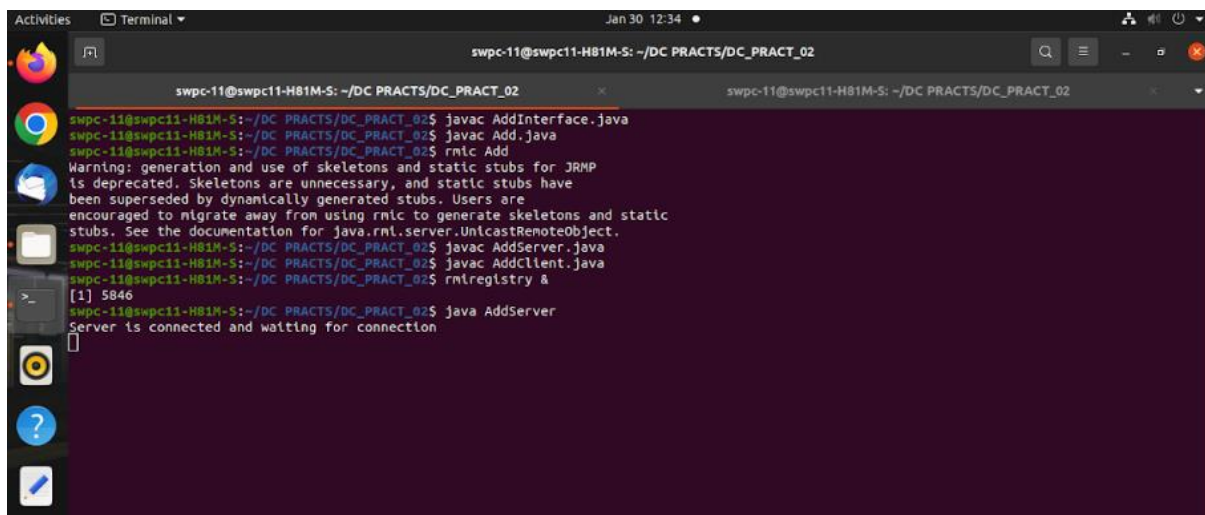
```
import java.rmi.*;
public interface AddInterface extends Remote
{
    public int sum(int n1,int n2) throws RemoteException;
}
```

Add.java

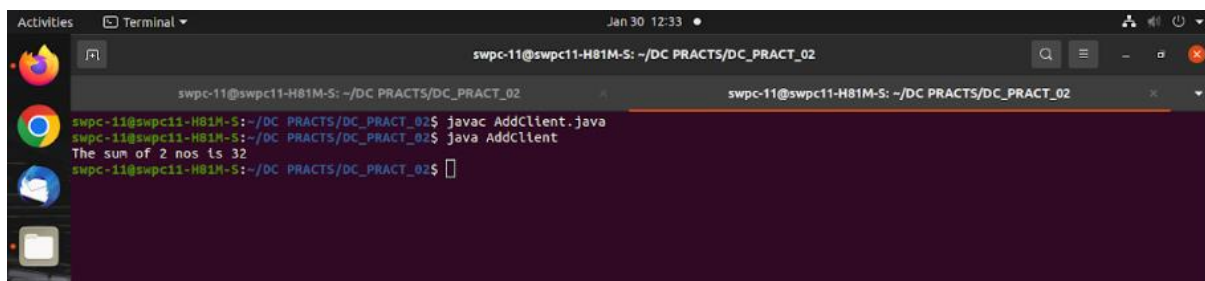
```
import java.rmi.*;
import java.rmi.server.*;
public class Add extends UnicastRemoteObject implements AddInterface
{
    int num1,num2;
    public Add() throws RemoteException{

        public int sum(int n1, int n2) throws RemoteException
        {
            num1=n1;
            num2=n2;
            return num1+num2;
        }
    }
}
```

Output



```
swpc-11@swpc11-H81M-S: ~/DC PRACTS/DC_PRACT_02
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ javac AddInterface.java
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ javac Add.java
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ rmic Add
Warning: generation and use of skeletons and static stubs for JRMPI
is deprecated. Skeletons are unnecessary, and static stubs have
been superseded by dynamically generated stubs. Users are
encouraged to migrate away from using rmic to generate skeletons and static
stubs. See the documentation for java.rmi.server.UnicastRemoteObject.
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ javac AddServer.java
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ javac AddClient.java
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ rmiregistry &
[1] 5846
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ java AddServer
Server is connected and waiting for connection
[]
```



```
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ javac AddClient.java
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ java AddClient
The sum of 2 nos is 32
swpc-11@swpc11-H81M-S:~/DC PRACTS/DC_PRACT_02$ []
```