

BEYOND SYLLABUS

Aim: Create a simple program using RMI.

****AddI.java Code****

```
import java.rmi.Remote;
public interface AddI extends Remote
{
    public int add(int x,int y) throws Exception;
}
```

****AddC.java Code****

```
import java.rmi.*;
import java.rmi.server.*;
public class AddC extends UnicastRemoteObject implements AddI
{
    AddC() throws Exception
    {
        super();
    }
    public int add(int x,int y)
    {
        return x+y;
    }
}
```

****Server.java Code****

```
import java.rmi.*;
public class Server
{
    public static void main(String args[]) throws Exception
    {
        AddI obj = new AddC();
        Naming.rebind("Adder",obj);
        System.out.println("Server Started");
    }
}
```

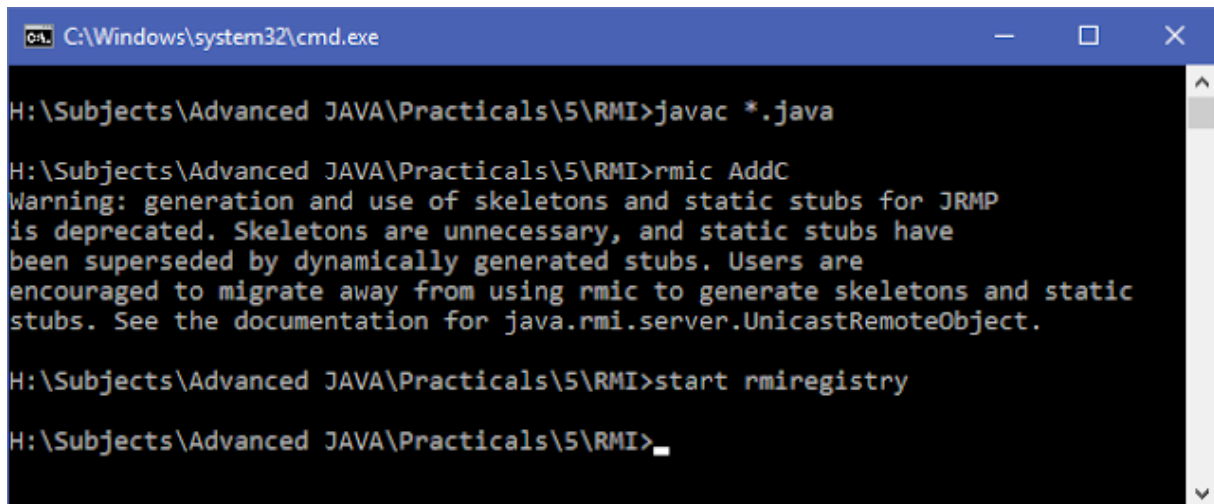
****Client.java Code****

```
import java.rmi.*;
import java.util.Scanner;
public class Client
{
    public static void main(String args[]) throws Exception
    {
        AddI obj=(AddI)Naming.lookup("Adder");
        Scanner scan=new Scanner(System.in);
        System.out.println("Enter 2 numbers to do addition:");
    }
}
```

```
        int a=scan.nextInt();  
        int b=scan.nextInt();  
        int sum=obj.add(a,b);  
        System.out.println("Addition :\t" + sum);  
    }  
}
```

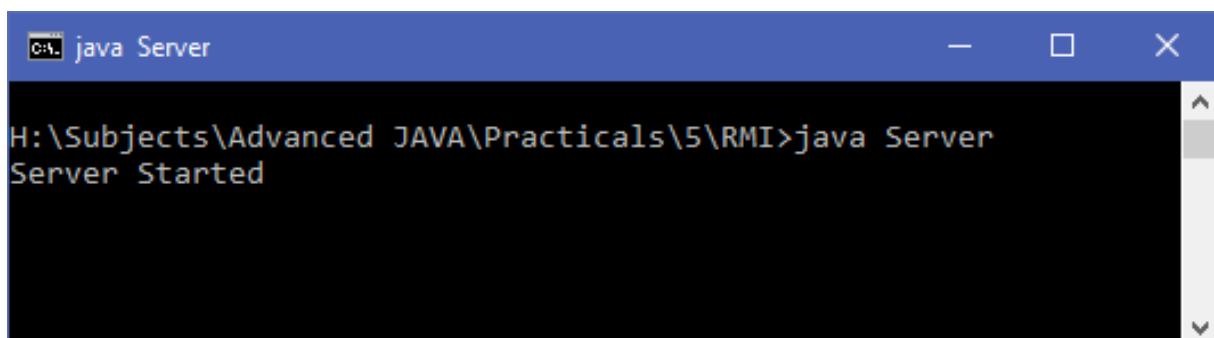
Output:

Commands



```
C:\Windows\system32\cmd.exe  
H:\Subjects\Advanced JAVA\Practicals\5\RMI>javac *.java  
H:\Subjects\Advanced JAVA\Practicals\5\RMI>rmic AddC  
Warning: generation and use of skeletons and static stubs for JRMP  
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been superseded by dynamically generated stubs.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.  
H:\Subjects\Advanced JAVA\Practicals\5\RMI>start rmiregistry  
H:\Subjects\Advanced JAVA\Practicals\5\RMI>
```

Server



```
java Server  
H:\Subjects\Advanced JAVA\Practicals\5\RMI>java Server  
Server Started
```