

Distributed Systems

Lab 3 - RMI

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Step 1 : Compile all the java files

- javac *.java

Step 2 : Create stub and skeleton object by rmic tool

- rmic <Class>

Step 3 : Start rmi registry in one command prompt

- rmiregistry

Step 4 : Start the server in another command prompt

- java <Server>

Step 5 : Start the client application in another command prompt

- java <Client>

```
C:\Windows\System32\cmd.exe
H:\Distributed Systems\Lab\Lab 3>dir
Volume in drive H is CSE
Volume Serial Number is C441-32AE

Directory of H:\Distributed Systems\Lab\Lab 3

08-02-2022  07:27 PM    <DIR>          .
08-02-2022  07:27 PM    <DIR>          ..
08-02-2022  04:10 PM                239 AddC.java
08-02-2022  10:34 AM                123 AddI.java
08-02-2022  10:47 AM                241 Client.java
08-02-2022  07:26 PM            13,262 Lab 3.docx
04-02-2022  02:06 PM           252,424 Q.pdf
08-02-2022  10:41 AM                326 Server.java
               6 File(s)          266,615 bytes
               2 Dir(s)  48,219,021,312 bytes free
```

Step 1

```
H:\Distributed Systems\Lab\Lab 3>javac *.java

H:\Distributed Systems\Lab\Lab 3>dir
Volume in drive H is CSE
Volume Serial Number is C441-32AE

Directory of H:\Distributed Systems\Lab\Lab 3

08-02-2022  07:39 PM    <DIR>          .
08-02-2022  07:39 PM    <DIR>          ..
08-02-2022  07:39 PM             470 AddC.class
08-02-2022  07:36 PM             410 AddC.java
08-02-2022  07:39 PM             259 AddI.class
08-02-2022  07:36 PM             285 AddI.java
08-02-2022  07:39 PM          1,139 Client.class
08-02-2022  07:39 PM             515 Client.java
08-02-2022  07:27 PM        40,347 Lab 3.docx
04-02-2022  02:06 PM       252,424 Q.pdf
08-02-2022  07:39 PM             670 Server.class
08-02-2022  10:41 AM             326 Server.java
               10 File(s)        296,845 bytes
               2 Dir(s)  48,218,992,640 bytes free
```

Step 2

```
H:\Distributed Systems\Lab\Lab 3>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been superseded by dynamically generated stubs.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.
```

Step 3

```
C:\Windows\System32\cmd.exe - rmiregistry
Microsoft Windows [Version 10.0.19044.1503]
(c) Microsoft Corporation. All rights reserved.

H:\Distributed Systems\Lab\Lab 3>rmiregistry
```

Step 4

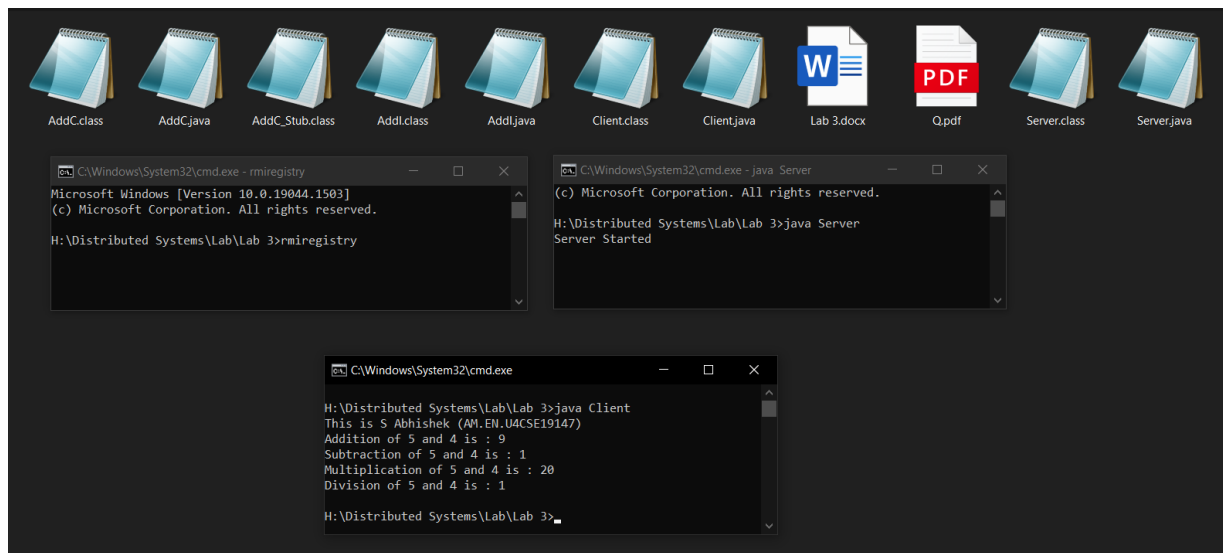
```
C:\Windows\System32\cmd.exe - java Server
Microsoft Windows [Version 10.0.19044.1503]
(c) Microsoft Corporation. All rights reserved.

H:\Distributed Systems\Lab\Lab 3>java Server
Server Started
```

Step 5

```
C:\Windows\System32\cmd.exe

H:\Distributed Systems\Lab\Lab 3>java Client
This is S Abhishek (AM.EN.U4CSE19147)
Addition of 5 and 4 is : 9
Subtraction of 5 and 4 is : 1
Multiplication of 5 and 4 is : 20
Division of 5 and 4 is : 1
```



Thankyou!!