

End Term Practical Examination June 2021
Java Programming Lab (PCS605)

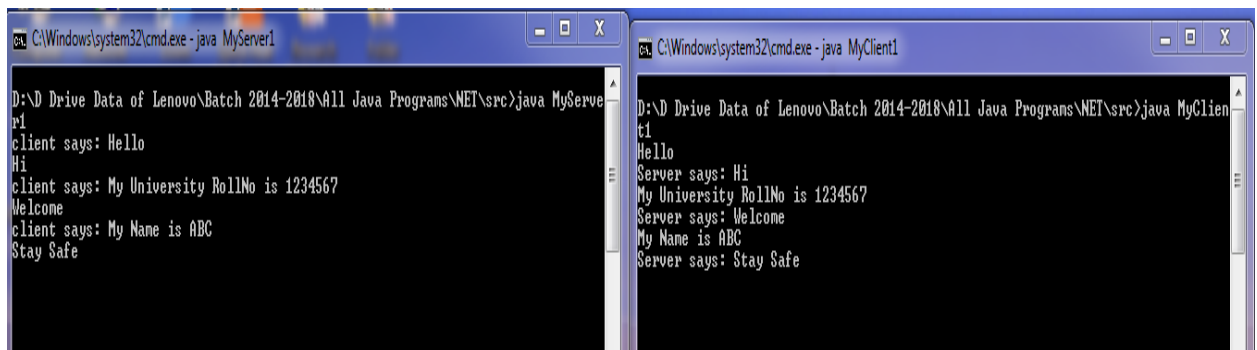
Note: Attempt any TWO questions.

1. Using Servlet and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition and publisher from user and store the information in a database and to search for a book with the Accession number specified by the user and to display the search results with proper headings.

Note: The Accession number and book details should be different in the output of each student.

2. Demonstrate the communication between two users by using TCP/IP Protocols (using sockets and ServerSocket class) . Write a separate code for a server and client program. The program should read and write the data passed back to it from the server.

Sample Snapshot



```
C:\Windows\system32\cmd.exe - java MyServer1
D:\D Drive Data of Lenovo\Batch 2014-2018\All Java Programs\NET\src>java MyServer1
client says: Hello
Hi
client says: My University RollNo is 1234567
Welcome
client says: My Name is ABC
Stay Safe

C:\Windows\system32\cmd.exe - java MyClient1
D:\D Drive Data of Lenovo\Batch 2014-2018\All Java Programs\NET\src>java MyClient1
Hello
Server says: Hi
My University RollNo is 1234567
Server says: Welcome
My Name is ABC
Server says: Stay Safe
```

Note: Each student should use their own University Roll No. and Name in their output.

3. Create a Struts advance basic application by using action support or action interface in which there would be a form validation. For example if a user enters values like user name and password then struts would validate these values. Program must contain the following files:
 - i. Web.xml
 - ii. Struts.xml
 - iii. User.java
 - iv. Input.jsp
 - v. Result.jsp
 - vi. ActionSupport Class/Action Interface
 - vii. Form Validation
