

Experiment – 3.2

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Branch: CSE

Semester: 5

Subject Name: Project based Learning in Java

UID: 20BCS5914

Section/Group:20BCS_MM_806/B

1. Aim/Overview of the practical:

Create an application for Online Auction using HTML and Servlet. Use database to store and retrieve record.

2. Task to be done:

We have to create an application for Online Auction using HTML and Servlet. We will be using database to store and retrieve data.

3. Apparatus(For applied/experimental sciences/materials based labs):

1. Java IDE
2. IntelliJ Idea Professional Version
3. Tomcat 9
4. MySQL

5. Steps for Experiment/Practical:

- Start
- We have first downloaded tomcat server and set it up.
- Then we have to configure it inside IntelliJ IDEA Ultimate.
- Then we opened MySQL workbench and created a new table named user.
- Then we have created three columns inside it.
- Then made the changes in html code.

- Needed to import the .xml code.
- Then we checked the servlets connections are established.
- Then we have output on the browser.
- Then we have to enter user name, product name and product id on browser.
- At last on running query on MySQL data will be stored in MySQL.
- End

6. Steps for experiment/practical:

index.jsp

```
<!DOCTYPE html>

<html>
<head>

    <meta charset="ISO-8859-1">

    <title>Web Application</title>

</head>

<body>

<form action="RegisterServlet" method="POST">

    Name:<input type="text" name="userName"/><br/><br/>

    Product:
```

```
<select name="productName">

    <option>Dell</option>

    <option>HP</option>

    <option>Sony</option>

    <option>Lenevo</option>

</select>

<br/><br/>

Bid Value:<input type="text" name="bidValue"/><br/><br/>

<input type="submit" value="register"/>

</form>

</body>
</html>
```

registerservlet.java

```
package in.cuchd.webapplication;
import javax.servlet.*; import
javax.servlet.http.*; import
javax.servlet.annotation.*; import
java.io.IOException; import
java.io.PrintWriter; import
java.sql.*;

@WebServlet("/RegisterServlet")
public class RegisterServlet extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
    { response.setContentType("text/html");

        PrintWriter out = response.getWriter();
```

```
String n=request.getParameter("userName"); String
p=request.getParameter("productName"); int
e=Integer.parseInt(request.getParameter("bidValue"));

try{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con=
DriverManager.getConnection("jdbc:mysql://localhost:3306/test","root","root");
    Statement stmt=con.createStatement();
    PreparedStatement ps=con.prepareStatement("insert into user values(?,?,?)");
```

```
ps.setString(1,n);  
ps.setString(2,p); ps.setInt(3,e);
```

```
int i=ps.executeUpdate(); if(i>0) out.print("You  
are successfully registered...");
```

```
ResultSet rs=stmt.executeQuery("select * from user where UName='"+n+"'");
```

```
while(rs.next())
```

```
    out.println("<br>Your    data    is:"+rs.getString(1)+"    "+rs.getString(2)+"  
"+rs.getInt(3));
```

```
    con.close();
```

```
}catch (Exception e2)
```

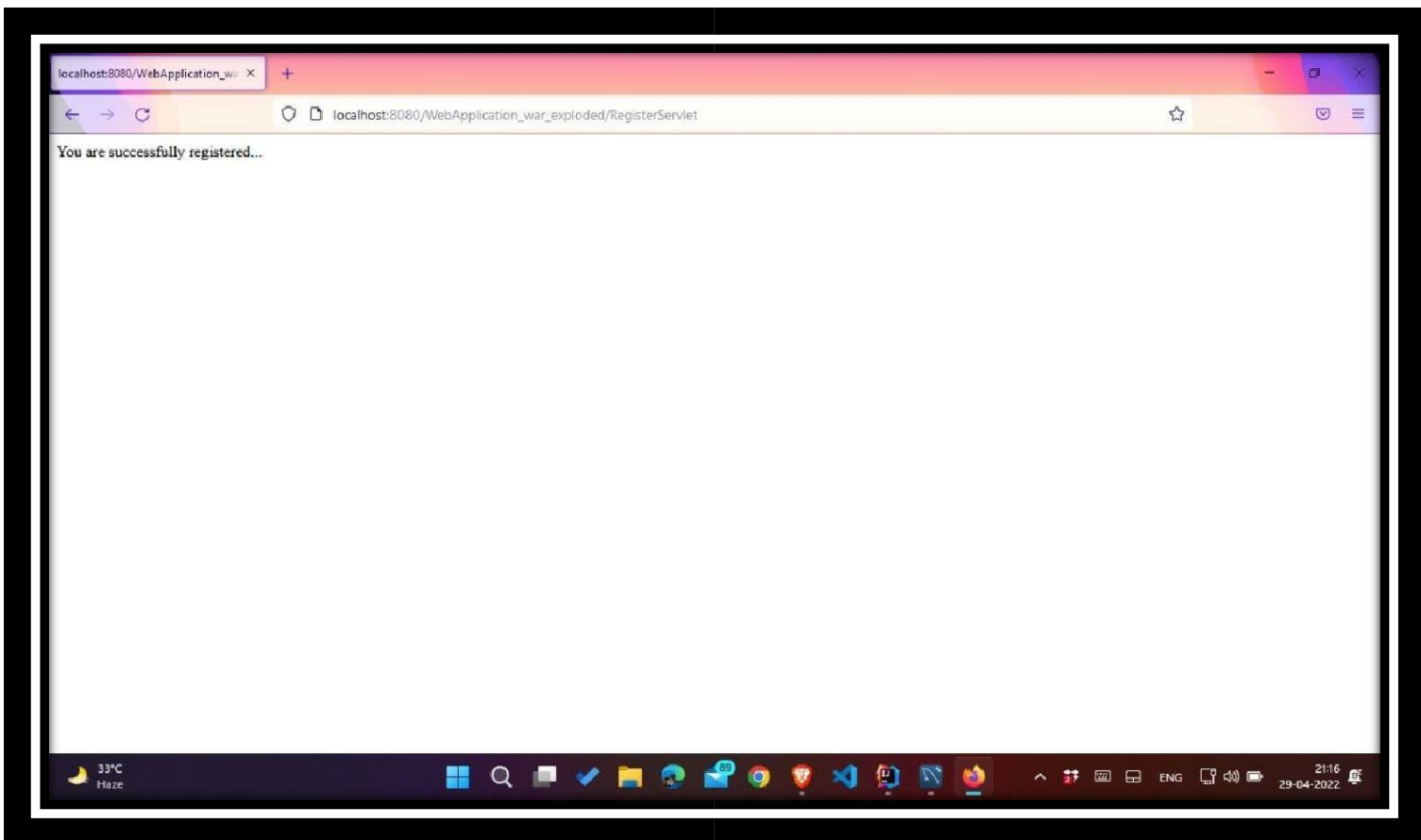
```
{System.out.println(e2);}
```

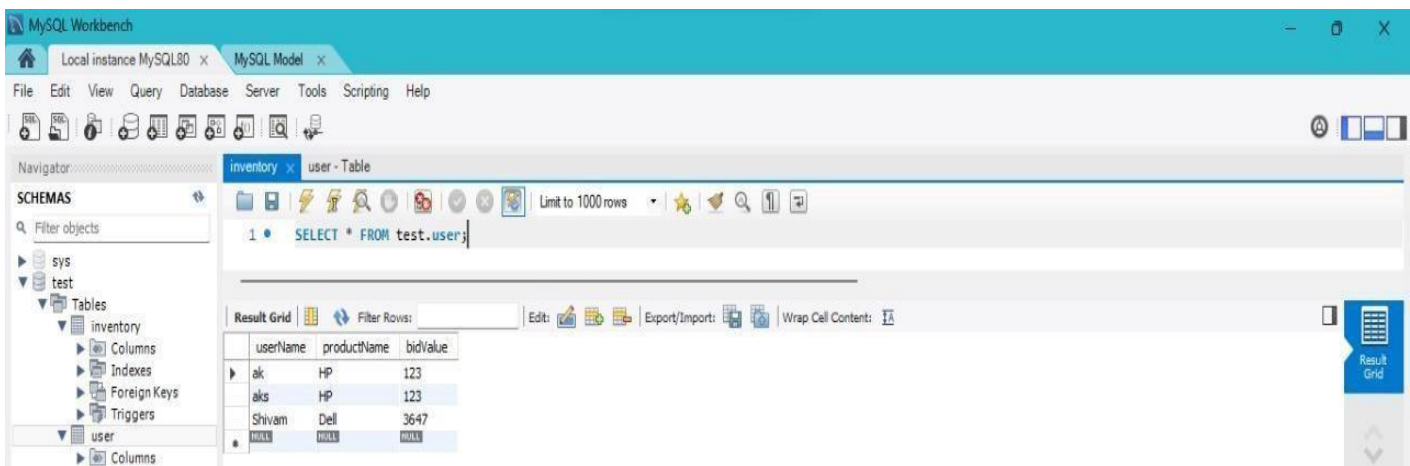
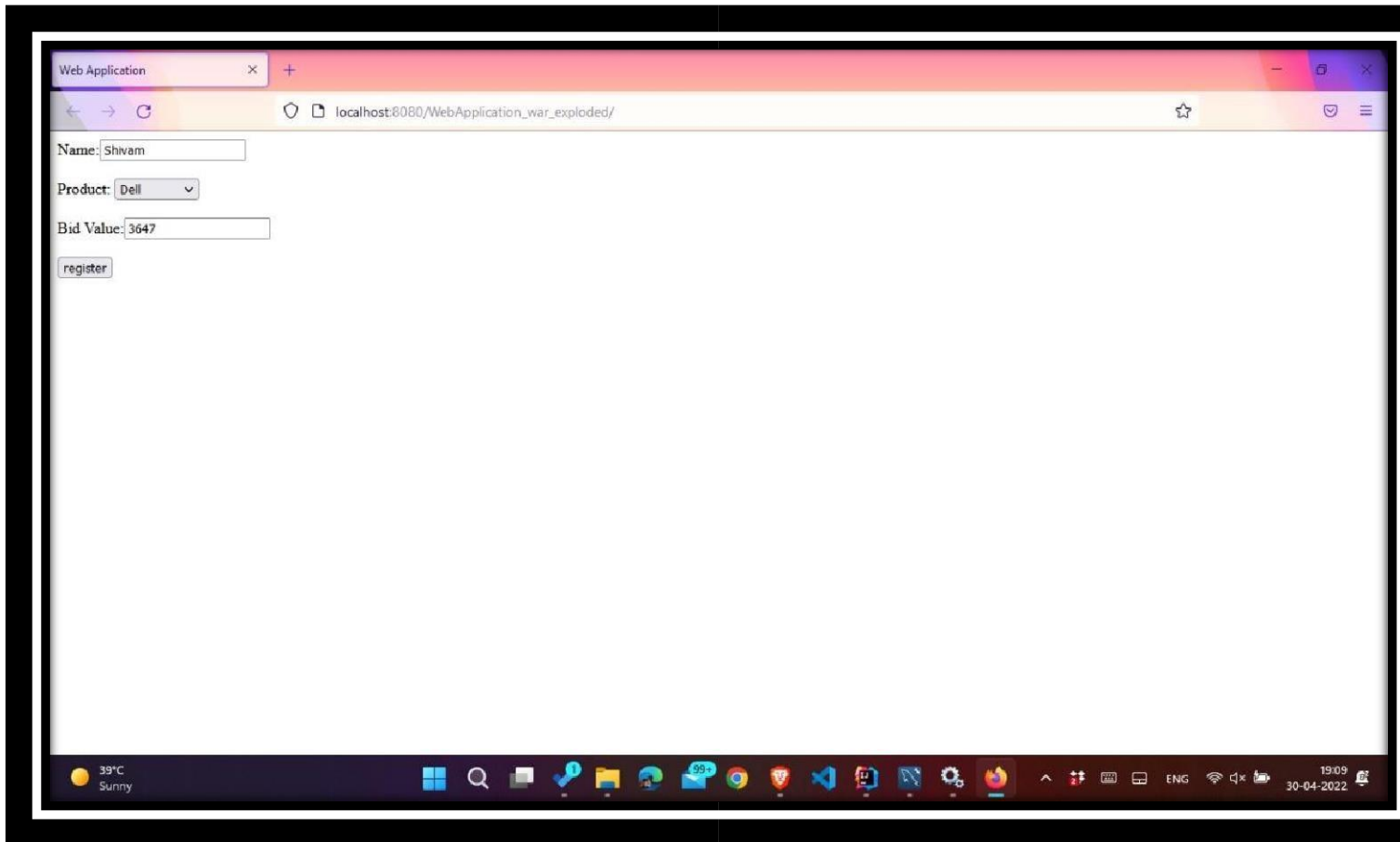
```
out.close();
```

```
}
```

```
}
```

7. **Observations/Discussions**(For applied/experimental sciences/materials based labs):





8. Learning outcomes (What I have learnt):

1. Have learnt about Tomcat Server
2. Have learnt about running servlet in Java.
3. Have learnt about web application in Java.
4. Have learnt about implementing html.
5. Have learnt about implementing queries in MySQL.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			