Practical-5

Program-1

1. Create an HTML page with a textbox to enter the name of user and a button "Submit" which transfer's the control to another JSP page and display a Hello Message with username passed from HTML page and display the current Date and Time with it.
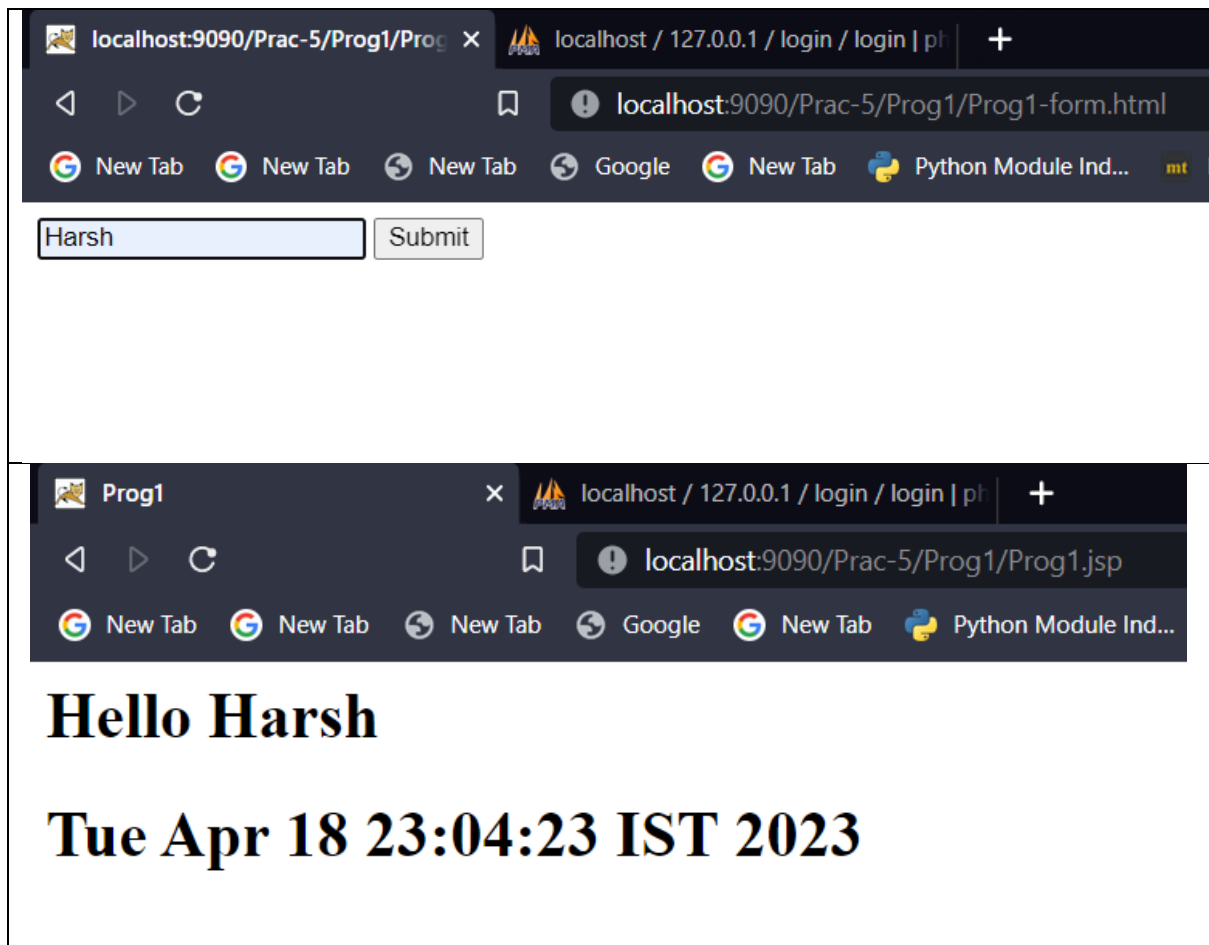
Ans:

Prog1-form.html

```
<html>
  <body>
    <form action="Prog1.jsp" method="post">
      <input type="text" name="userName" placeholder="User Name"/>
      <input type="submit" value="Submit"/>
    </form>
  </body>
</html>
```

Prog1.jsp

```
<html>
  <head>
    <title>Prog1</title>
  </head>
  <body>
    <h1><%= "Hello \t"+request.getParameter("userName") %></h1>
    <h1><%= new java.util.Date() %></h1>
  </body>
</html>
```

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Output-1

Program-2

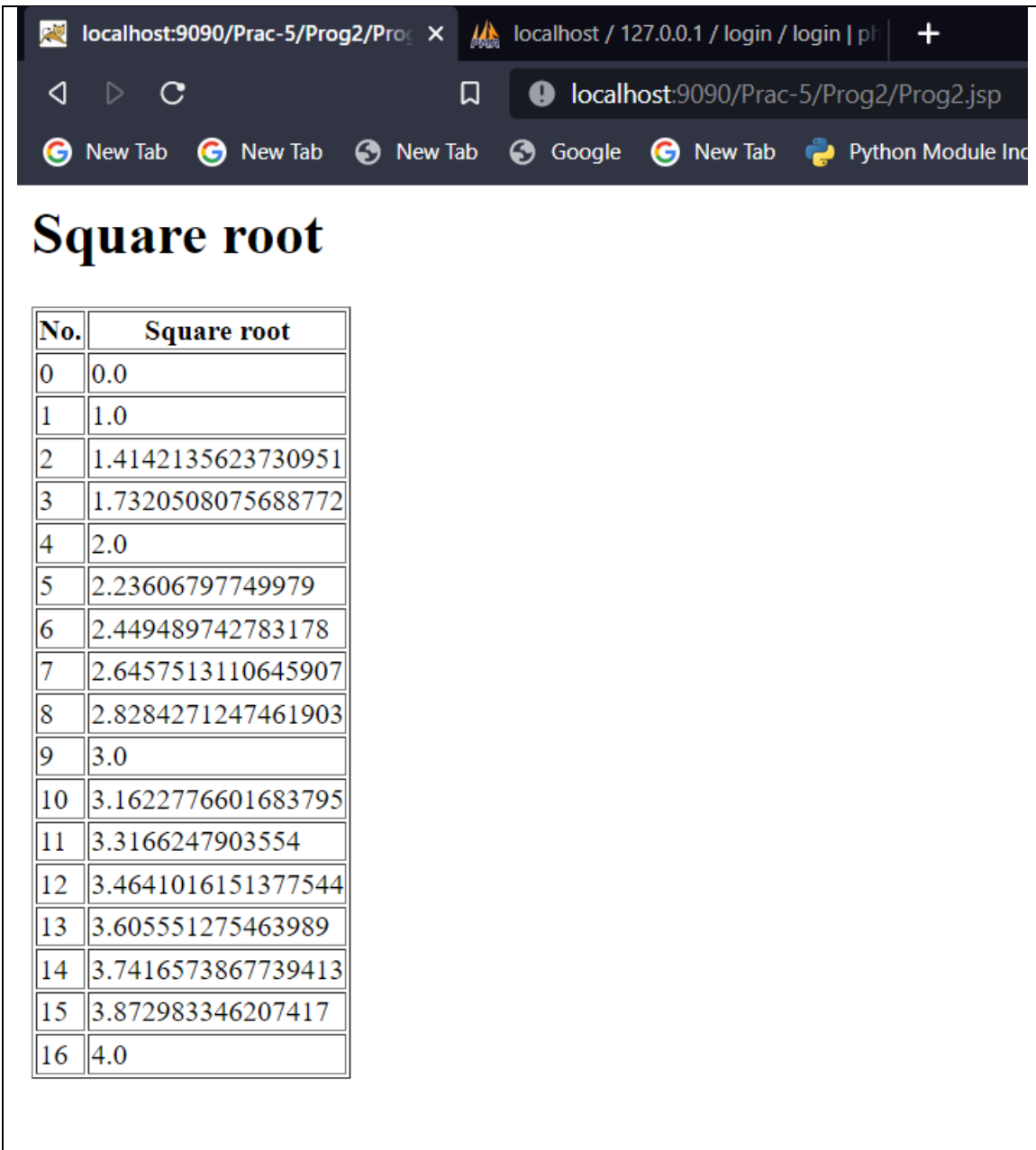2. Create a JSP page which displays a table of Square root of numbers from 0 to 16.

Ans:

Prog2.jsp

```
<%
  out.print("<table border=1>");
  out.print("<h1>Square root</h1><tr>");
  out.print("<th>No.</th><th>Square root</th></tr>");
  for(int i=0;i<=16;i++){
    out.print("<tr><td>");
%>
    <%= i %>
<%    out.print("</td><td>"); %>
    <%= Math.sqrt(i) %>
<%    out.print("</td></tr>");
  }
  out.print("</table>");
%>
```

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Output-2

Square root

No.	Square root
0	0.0
1	1.0
2	1.4142135623730951
3	1.7320508075688772
4	2.0
5	2.23606797749979
6	2.449489742783178
7	2.6457513110645907
8	2.8284271247461903
9	3.0
10	3.1622776601683795
11	3.3166247903554
12	3.4641016151377544
13	3.605551275463989
14	3.7416573867739413
15	3.872983346207417
16	4.0

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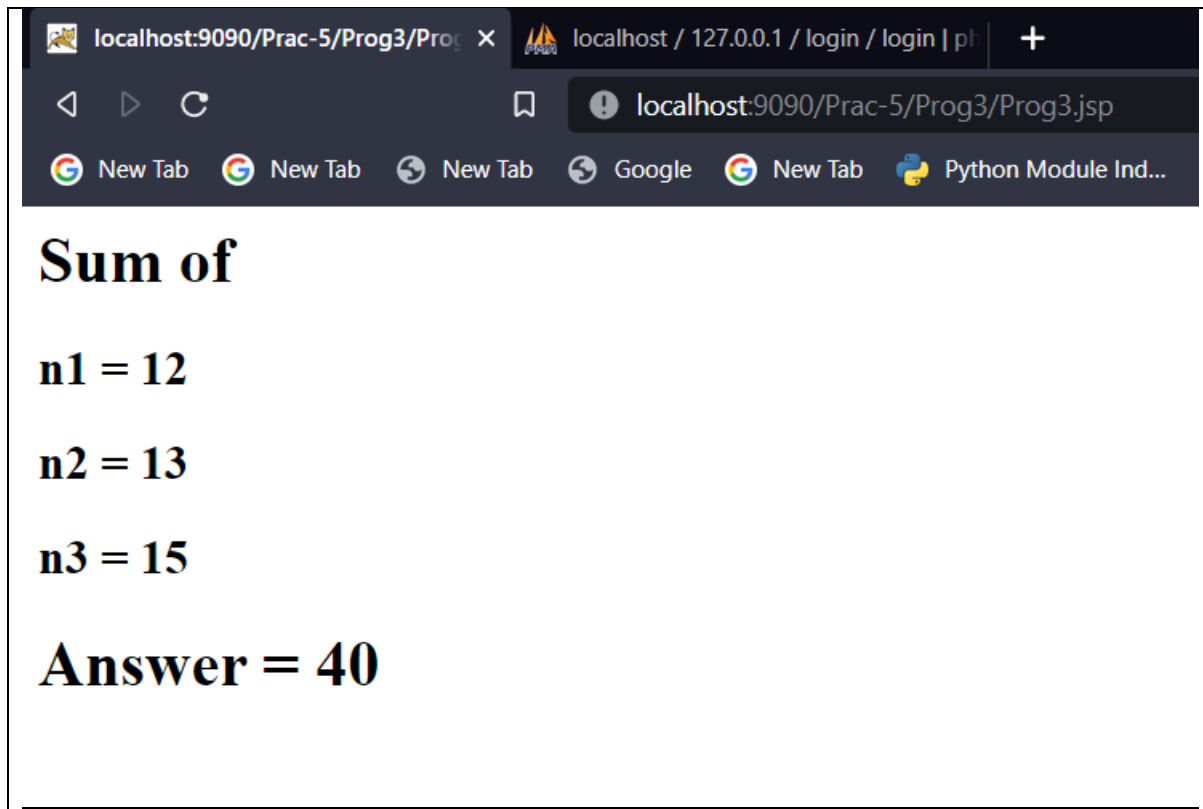
Program-3

3. Design a JSP page and define 3 variables n1, n2 and n3 having values 12, 13 and 15 respectively and then using Expression Tags display the result of sum of those 3 variables.

Ans:

Prog3.jsp

```jsp
<% int n1=12,n2=13,n3=15; %>
   <h1><%= "Sum of "%></h1>
   <h2><%= "n1 = " +n1 %></h2>
   <h2><%= "n2 = " + n2 %></h2>
   <h2><%= "n3 = " + n3 %></h2>
<h1><%= "Answer = "+ (n1+n2+n3) %></h1>
```

Output-3

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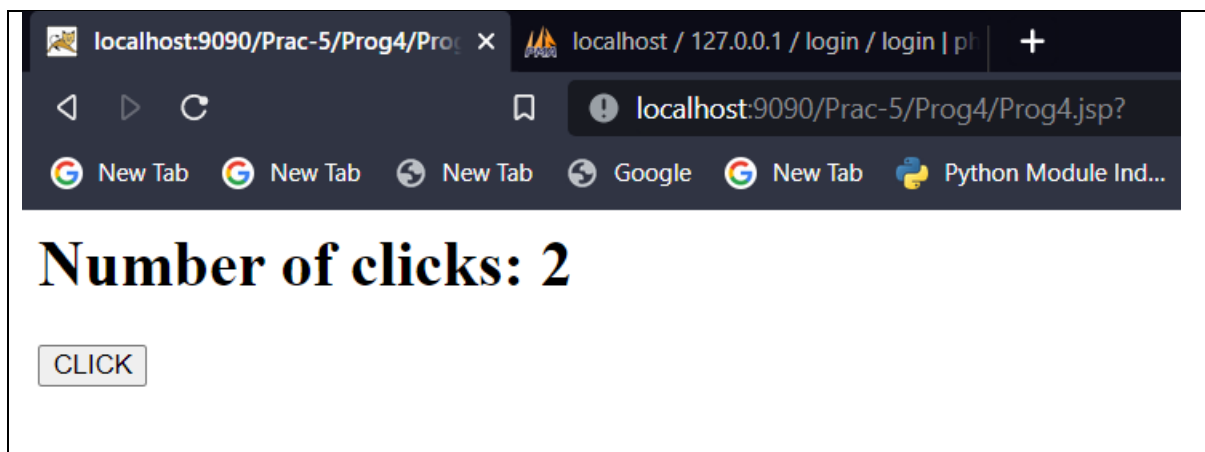
Program-4

4. Design a JSP page with a button "Click" on it and clicking on that
    button will give the count of how many times that button is clicked.

Ans:

Prog4.java

```
<%! int click = 0; %>
<h1><%
   click++;
   out.print("Number of clicks: "+click);
%></h1>
<form action="Prog4.jsp">
<input type="submit" value="CLICK">
</form>
```

Output-4

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Program-5

5. Develop a simple JSP program for user login form with database connectivity.

Ans:

Prog5.jsp

```
<form action="Progdb.jsp" method="post">
   User Name :<input type="text" name="userName"/><br><br>
   Password :<input type="password" name="password"/><br><br>
   <input type="submit" name="Submit" value="Login"/>
</form>
```
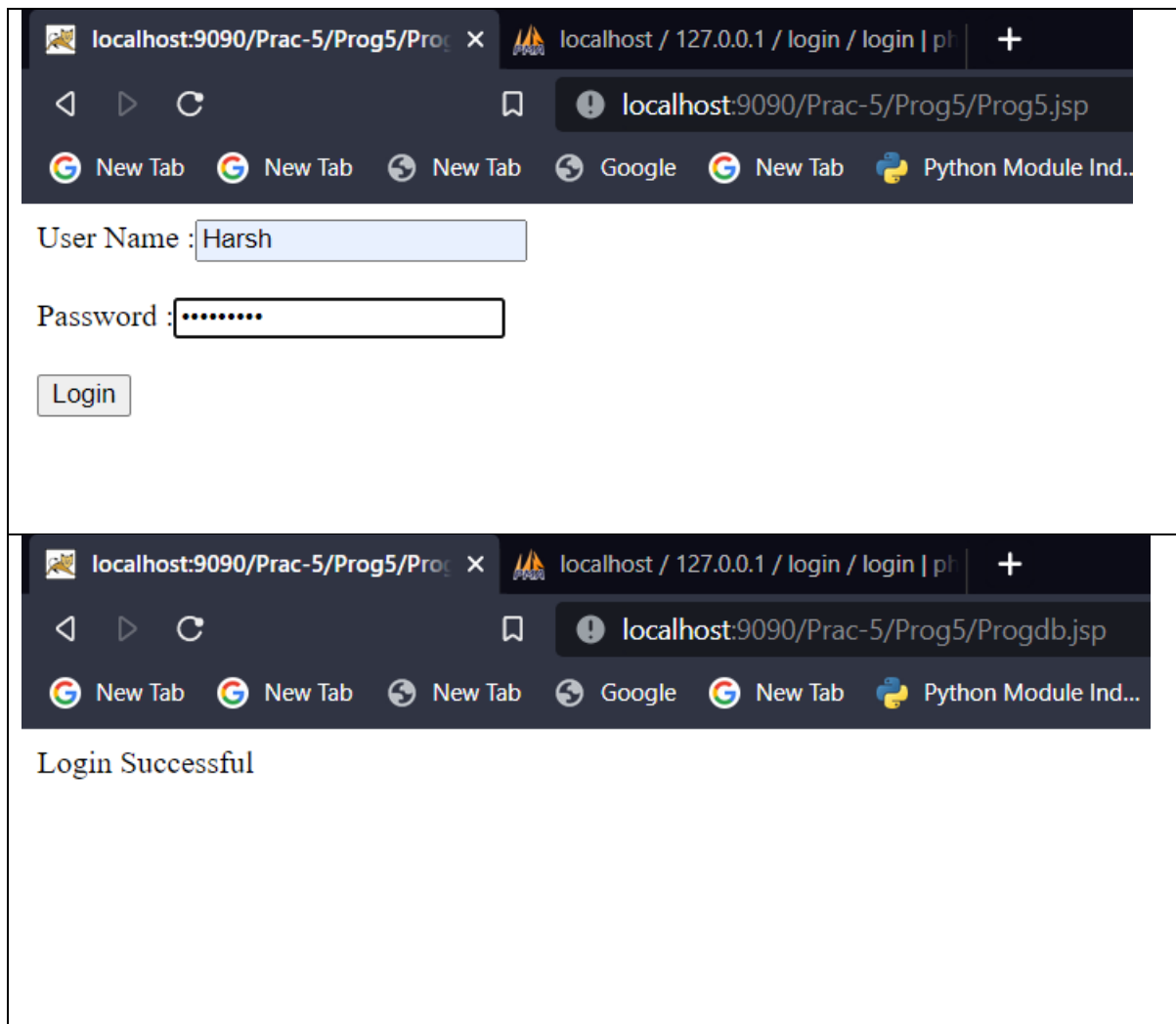
Progdb.jsp

```
<%@ page import="java.sql.*"%>
<%
   try{
      Class.forName("com.mysql.jdbc.Driver");
      Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost/Login","root","");
      Statement s = conn.createStatement();
      ResultSet rs = s.executeQuery("SELECT * FROM Login");
      String name = request.getParameter("userName");
      String password = request.getParameter("password");
      while(rs.next()){

if(name.equals(rs.getString("Uname"))&&password.equals(rs.getString("Pass
word"))){
         out.print("Login Successful");
      }else{
         response.sendRedirect("Prog5.jsp");
      }
   }
   }catch(Exception e){
      e.printStackTrace();
   }
%>
```

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Output-5