**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> |

Output-1

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|  |

Program-2

1. 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>");  %> |

Output-2

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|  |

Program-3

1. 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**

|  |
| --- |
| <% 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

1. 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

1. 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("Password"))){  out.print("Login Successful");  }else{  response.sendRedirect("Prog5.jsp");  }  }  }catch(Exception e){  e.printStackTrace();  }  %> |

Output-5

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