index.html:

```html
<html>
<body>
<form action="hello" method="get">
<input type="submit" value="Get Hit Count">
</form>
</body>
</html>
```

web.xml

```xml
<web-app>
<servlet>
<servlet-name>session1</servlet-name>
<servlet-class>serv1</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>session1</servlet-name>
<url-pattern>/hello</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>session2</servlet-name>
<servlet-class>serv2</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>session2</servlet-name>
<url-pattern>/hello2</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>session3</servlet-name>
<servlet-class>serv3</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>session3</servlet-name>
```

```
<url-pattern>/hello3</url-pattern>
</servlet-mapping>

</web-app>
```

serv1.java

```java
import javax.servlet.http.*;
import javax.servlet.*;
import java.io.*;

public class serv1 extends HttpServlet{
public void doGet(HttpServletRequest req,HttpServletResponse res)throws
ServletException,IOException
{
res.setContentType("text/html");
PrintWriter pw=res.getWriter();
int a;
HttpSession s=req.getSession(true);
if(s.isNew())
{
      a=1;
      s.setAttribute("count",a);
}
else
{
      a=(int)s.getAttribute("count");
      a++;
      s.setAttribute("count",a);
}
pw.println("Hit count:"+a);
pw.println("<br>");
pw.println("<a href='hello2'>GO</a>");
}}
```

serv2.java

```java
import javax.servlet.http.*;
import javax.servlet.*;
import java.io.*;

public class serv2 extends HttpServlet{
public void doGet(HttpServletRequest req,HttpServletResponse res)throws ServletException,IOException
{
res.setContentType("text/html");
PrintWriter pw=res.getWriter();
HttpSession s=req.getSession(false);

int a=(int)s.getAttribute("count");
++a;
pw.println("Hit count:"+a);
s.setAttribute("count",a);
pw.println("<br>");
pw.println("<a href='hello3'>go</a>");
}
}
```

serv3.java

```java
import javax.servlet.http.*;
import javax.servlet.*;
import java.io.*;
public class serv3 extends HttpServlet{
public void doGet(HttpServletRequest req,HttpServletResponse res)throws ServletException,IOException
{
res.setContentType("text/html");
PrintWriter pw=res.getWriter();
HttpSession s=req.getSession(false);
int a=(int)s.getAttribute("count");
++a;
pw.println("Hit count:"+a);
s.setAttribute("count",a);
}}
```

OUTPUT:

← → C ⓘ localhost:8080/HitCountSessionobj/

Get Hit Count

← → C ⓘ localhost:8080/HitCountSessionobj/hello?

Hit count:1
GO

← → C ⓘ localhost:8080/HitCountSessionobj/hello?

Hit count:2
GO

← → C ⓘ localhost:8080/HitCountSessionobj/hello2

Hit count:3
go

Hit count:4

Hit count:5
go

serv1.java

```java
import javax.servlet.http.*;
import javax.servlet.*;
import java.io.*;
public class serv1 extends HttpServlet

{
public void doGet(HttpServletRequest req,HttpServletResponse res)
throws ServletException,IOException
{
        res.setContentType("text/html");
        PrintWriter pw=res.getWriter();
        int c=1;
        pw.println("<form action='hello2'>");
        pw.println("<input type='hidden' name='hit_cnt' value='"+c+"'>");
        pw.println("Hit count: "+c);
        pw.println("<input type='submit' value='click here'>");
        pw.println("</form>");
}
}
```

serv2.java

```java
import javax.servlet.http.*;
import javax.servlet.*;
import java.io.*;
```

```java
public class serv2 extends HttpServlet

{
public void doGet(HttpServletRequest req,HttpServletResponse res)
throws ServletException,IOException
{
        res.setContentType("text/html");
        PrintWriter pw=res.getWriter();
        String str=req.getParameter("hit_cnt");
        int c=Integer.parseInt(str);
        c++;
        pw.println("Hit count: "+c);
        pw.println("<form action='hello3'>");
        pw.println("<input type='hidden' name='hit_cnt' value='"+c+"'>");
        pw.println("<input type='submit' value='click here'>");
        pw.println("</form>");
}
}
```

serv3.java

```java
import javax.servlet.http.*;
import javax.servlet.*;
import java.io.*;
public class serv3 extends HttpServlet

{
public void doGet(HttpServletRequest req,HttpServletResponse res)
throws ServletException,IOException
{
        res.setContentType("text/html");
        PrintWriter pw=res.getWriter();
        String str=req.getParameter("hit_cnt");
        int c=Integer.parseInt(str);
        c++;
        pw.println("Hit count: "+c);
}
}
```
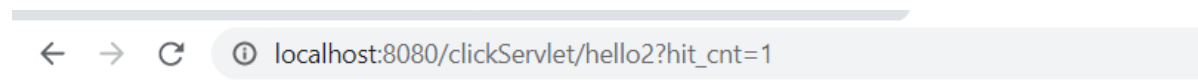
OUTPUT

← → C ⓘ localhost:8080/clickServlet/

Get Hit Count

← → C ⓘ localhost:8080/clickServlet/hello?

Hit count: 1 click here

← → C ⓘ localhost:8080/clickServlet/hello2?hit_cnt=1

Hit count: 2
click here

← → C ⓘ localhost:8080/clickServlet/hello3?hit_cnt=2

Hit count: 3

index.html
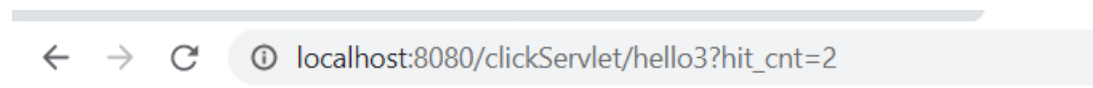
```html
<html>
<body>
<form method="get" action="welcome.jsp">
Name: <input type="text" name="u_name">
<br/>
<input type="submit">
</form>
```
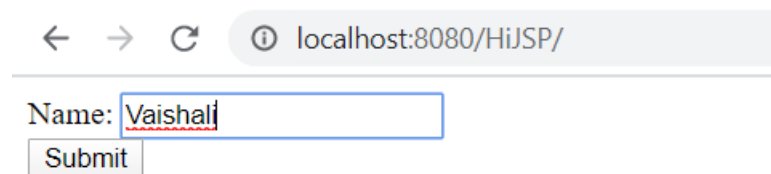
welcome.jsp
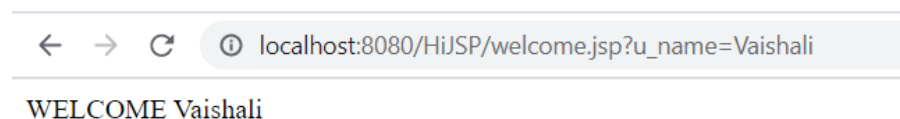
```jsp
<%@ taglib prefix = "c" uri = "http://java.sun.com/jsp/jstl/core" %>

<html>
<body>
<c:out value ="WELCOME"/>
<c:out value="${param.u_name}"/>
</body>
</html>
```

OUTPUT:

← → C   ⓘ localhost:8080/HiJSP/

Name: Vaishali
 Submit

← → C   ⓘ localhost:8080/HiJSP/welcome.jsp?u_name=Vaishali

WELCOME Vaishali

index.html

```html
<html>
<body>
<form method="get" action="data.jsp">
<input type="submit">
</form>
```

data.jsp

```jsp
<%@ taglib prefix = "c" uri = "http://java.sun.com/jsp/jstl/core" %>
<%@ taglib prefix = "sql" uri = "http://java.sun.com/jsp/jstl/sql" %>

<html>
<body>

<sql:setDataSource var="snapshot"
driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost/test1"
user="root" password="vaishu"/>

<sql:query dataSource="${snapshot}" var="result">
SELECT * FROM student1;
</sql:query>

<c:forEach var="row" items="${result.rows}">
      <c:out value="${row.id}"/>
      <c:out value="${row.name}"/>
      <% out.println("<br/>"); %>
</c:forEach>
</body>
</html>
```

OUTPUT

← → C   ⓘ localhost:8080/DataJSP/

[Submit]

← → C   ⓘ localhost:8080/DataJSP/data.jsp?

1 vaish
2 abi
3 aishu
4 sneha
5 santhi

```
mysql> use test1;
Database changed
mysql> select * from student1;
+----+--------+
| id | name   |
+----+--------+
|  1 | vaish  |
|  2 | abi    |
|  3 | aishu  |
|  4 | sneha  |
|  5 | santhi |
+----+--------+
5 rows in set (0.00 sec)

mysql>
```

index.html

```html
<html>
<body>

<h1>CRUD OPERATIONS USING SERVLET</h1>
<br>
<form action="Insert" method="get">
<fieldset>
        <legend>CREATE</legend>
<label>Enter id
        <input type="text" name="u_id">
</label>
<br>
<label>Enter name
        <input type="text" name="u_name">
</label>
<br>
<input type="submit" value="INSERT">
</fieldset>
</form>

<form action="Delete" method="get">
<fieldset>
        <legend>REMOVE</legend>
<label>Enter id
        <input type="text" name="u_id">
</label>
<br>
<input type="submit" value="DELETE">
</fieldset>
</form>

<form action="Update" method="get">
<fieldset>
        <legend>UPDATE</legend>
<label>Enter id
        <input type="text" name="u_id">
</label>
<br>
```

```html
<label>Enter new name
        <input type="text" name="u_name">
</label>
<br>
<input type="submit" value="UPDATE">
</fieldset>
</form>

<form action="Select" method="get">
<fieldset>
        <legend>DISPLAY</legend>
<label>View Database </label>
<input type="submit" value="DISPLAY">
</fieldset>
</form>

</body>
</html>
```

select.java

```java
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class select extends HttpServlet {

  public void doGet(HttpServletRequest request, HttpServletResponse response)
      throws IOException, ServletException {

    response.setContentType("text/html");

    PrintWriter out = response.getWriter();

        Connection con;
    Statement stmt;
    ResultSet rs;
```

```java
    String url="jdbc:mysql://localhost:3306/test1";
    String user="root";
    String pass="vaishu";

        try{
        Class.forName("com.mysql.jdbc.Driver");
        con=DriverManager.getConnection(url,user,pass);
        //System.out.println("Connected");
    out.println("<html>");
      out.println("<body>");

        String sql;
        sql="select * from student1";

        stmt=con.createStatement();
        rs=stmt.executeQuery(sql);
        out.println("<pre>ID  NAME</pre>");
        while(rs.next())
        {
                out.println("<p>"+rs.getInt(1)+" "+rs.getString(2)+"</p>");
        }
        }catch(ClassNotFoundException ex){
           //System.out.println("sql error"+ex.getMessage());
        }
        catch(SQLException ex){
           // System.out.println("sql error"+ex.getMessage());
        }

    out.println("</body></html>");
    out.close();
  }
}
```

insert.java

```java
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;
```

```java
public class insert extends HttpServlet {

  public void doGet(HttpServletRequest request, HttpServletResponse
response)
      throws IOException, ServletException {

   response.setContentType("text/html");

   PrintWriter out = response.getWriter();

      Connection con;
   Statement stmt;
   ResultSet rs;

  String url="jdbc:mysql://localhost:3306/test1";
   String user="root";
   String pass="vaishu";

  out.println("<html>");

   out.println("<body>");

      try{
      Class.forName("com.mysql.jdbc.Driver");
      con=DriverManager.getConnection(url,user,pass);
      //out.println("<p>connected</p>");

      stmt=con.createStatement();
      String sql;
      sql="select * from student1";
      out.println("<p>Before insertion: </p>");
      out.println("<pre>ID  NAME</pre>");

      rs=stmt.executeQuery(sql);
      while(rs.next())
      {
            out.println("<p>"+rs.getInt(1)+" "+rs.getString(2)+"</p>");
      }

      String str=request.getParameter("u_id");
```

```java
        int id=Integer.parseInt(str);
        String name=request.getParameter("u_name");
        PreparedStatement pstmt= con.prepareStatement("insert into
student1 values(?,?)");
        pstmt.setInt(1,id);
        pstmt.setString(2,name);
        int i=pstmt.executeUpdate();
        if(i==1)
                out.println("<p>Record inserted</p>");
        else
                out.println("<p>Record not inserted</p>");


        rs=stmt.executeQuery(sql);

        out.println("<p>After insertion: </p>");
out.println("<pre>ID  NAME</pre>");
        while(rs.next())
        {
                out.println("<p>"+rs.getInt(1)+" "+rs.getString(2)+"</p>");
        }
        }catch(ClassNotFoundException ex){
            out.println("<p>class error"+ex.getMessage()+"</p>");
        }
        catch(SQLException ex){
            out.println("<p>sql error"+ex.getMessage()+"</p>");
        }

    out.println("</body></html>");
    out.close();
  }
}
```

update.java

```java
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;
```

```java
public class update extends HttpServlet {

  public void doGet(HttpServletRequest request, HttpServletResponse
response)
      throws IOException, ServletException {

    response.setContentType("text/html");

    PrintWriter out = response.getWriter();

       Connection con;
    Statement stmt;
    ResultSet rs;

   String url="jdbc:mysql://localhost:3306/test1";
    String user="root";
    String pass="vaishu";

   out.println("<html>");

    out.println("<body>");

       try{
       Class.forName("com.mysql.jdbc.Driver");
       con=DriverManager.getConnection(url,user,pass);
       //out.println("<p>connected</p>");

       String sql;
       sql="select * from student1";

       stmt=con.createStatement();

       rs=stmt.executeQuery(sql);
       out.println("<p>Before updation: </p>");
out.println("<pre>ID  NAME</pre>");
       while(rs.next())
       {
               out.println("<p>"+rs.getInt(1)+" "+rs.getString(2)+"</p>");
       }
```

```java
        String str=request.getParameter("u_id");
        int id=Integer.parseInt(str);
        String name=request.getParameter("u_name");

out.println("<p>got: </p>"+name);

        PreparedStatement pstmt= con.prepareStatement("update student1
set name=? where id=?");

        pstmt.setString(1,name);
        pstmt.setInt(2,id);
        int i=pstmt.executeUpdate();


        if(i==1)
                out.println("<p>Record updated</p>");
        else
                out.println("<p>Record not updated</p>");


        rs=stmt.executeQuery(sql);
        out.println("<p>After updation: </p>");
out.println("<pre>ID  NAME</pre>");
        while(rs.next())
        {
                out.println("<p>"+rs.getInt(1)+" "+rs.getString(2)+"</p>");
        }

        }catch(ClassNotFoundException ex){
            out.println("<p>class error"+ex.getMessage()+"</p>");
        }
        catch(SQLException ex){
            out.println("<p>sql error"+ex.getMessage()+"</p>");
        }

    out.println("</body></html>");
    out.close();
  }
}
```

delete.java

```java
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class delete extends HttpServlet {

  public void doGet(HttpServletRequest request, HttpServletResponse response)
      throws IOException, ServletException {

    response.setContentType("text/html");

    PrintWriter out = response.getWriter();

       Connection con;
    Statement stmt;
    ResultSet rs;

   String url="jdbc:mysql://localhost:3306/test1";
    String user="root";
    String pass="vaishu";

   out.println("<html>");

    out.println("<body>");

       try{
       Class.forName("com.mysql.jdbc.Driver");
       con=DriverManager.getConnection(url,user,pass);
       //out.println("<p>connected</p>");

       String sql;
       sql="select * from student1";

       stmt=con.createStatement();
       out.println("<p>Before deletion: </p>");
out.println("<pre>ID  NAME</pre>");
```

```java
        rs=stmt.executeQuery(sql);
        while(rs.next())
        {
                out.println("<p>"+rs.getInt(1)+" "+rs.getString(2)+"</p>");
        }

        String str=request.getParameter("u_id");
        int id=Integer.parseInt(str);
        PreparedStatement pstmt= con.prepareStatement("delete from
student1 where id=?");
        pstmt.setInt(1,id);
        int i=pstmt.executeUpdate();


        if(i==1)
                out.println("<p>Record deleted</p>");
        else
                out.println("<p>Record not deleted</p>");

        out.println("<p>After deletion: </p>");
out.println("<pre>ID  NAME</pre>");
        rs=stmt.executeQuery(sql);
        while(rs.next())
        {
                out.println("<p>"+rs.getInt(1)+" "+rs.getString(2)+"</p>");
        }

        }catch(ClassNotFoundException ex){
            out.println("<p>class error"+ex.getMessage()+"</p>");
        }
        catch(SQLException ex){
            out.println("<p>sql error"+ex.getMessage()+"</p>");
        }

    out.println("</body></html>");
    out.close();
  }
}
```

OUTPUT:

CRUD OPERATIONS USING SERVLET

CREATE
Enter id [   ]
Enter name [   ]
[INSERT]

REMOVE
Enter id [   ]
[DELETE]

UPDATE
Enter id [   ]
Enter new name [   ]
[UPDATE]

DISPLAY
View Database [DISPLAY]

← → C ⓘ localhost:8080/crudServlet/Select?

ID   NAME

1 vaish

2 abi

3 aishu

4 sneha

5 santhi

← → C ⓘ localhost:8080/crudServlet/

CRUD OPERATIONS USING SERVLET

CREATE
Enter id [10   ]
Enter name [sharon   ]
[INSERT]

REMOVE
Enter id [   ]
[DELETE]

UPDATE
Enter id [   ]
Enter new name [   ]
[UPDATE]

DISPLAY
View Database [DISPLAY]

Before insertion:

ID   NAME

1 vaish

2 abi

3 aishu

4 sneha

5 santhi

Record inserted

After insertion:

ID   NAME

1 vaish

2 abi

3 aishu

4 sneha

5 santhi

10 sharon

CRUD OPERATIONS USING SERVLET

CREATE
Enter id [   ]
Enter name [   ]
[INSERT]

REMOVE
Enter id [3   ]
[DELETE]

UPDATE
Enter id [   ]
Enter new name [   ]
[UPDATE]

DISPLAY
View Database [DISPLAY]

CRUD OPERATIONS USING SERVLET

```
┌CREATE────────────────────────────────────────────────────────────────────────┐
│ Enter id   [            ]                                                       │
│ Enter name [            ]                                                       │
│ [ INSERT ]                                                                     │
└───────────────────────────────────────────────────────────────────────────────┘

┌REMOVE────────────────────────────────────────────────────────────────────────┐
│ Enter id   [            ]                                                       │
│ [ DELETE ]                                                                     │
└───────────────────────────────────────────────────────────────────────────────┘

┌UPDATE────────────────────────────────────────────────────────────────────────┐
│ Enter id 4                                                                      │
│ Enter new name [talapala]                                                       │
│ [ UPDATE ]                                                                     │
└───────────────────────────────────────────────────────────────────────────────┘

┌DISPLAY───────────────────────────────────────────────────────────────────────┐
│ View Database  [ DISPLAY ]                                                      │
└───────────────────────────────────────────────────────────────────────────────┘
```

Before deletion:

ID   NAME

1 vaish

2 abi

3 aishu

4 sneha

5 santhi

10 sharon

Record deleted

After deletion:

ID   NAME

1 vaish

2 abi

4 sneha

5 santhi

10 sharon

CRUD OPERATIONS USING SERVLET

CREATE
Enter id [ ]
Enter name [ ]
INSERT

REMOVE
Enter id [ ]
DELETE

UPDATE
Enter id [4]
Enter new name [talapala]
UPDATE

DISPLAY
View Database [DISPLAY]

localhost:8080/crudServlet/Update?u_id=4&u_name=talapala

Before updation:

ID   NAME

1 vaish

2 abi

4 sneha

5 santhi

10 sharon

got:

talapala

Record updated

After updation:

ID   NAME

1 vaish

2 abi

4 talapala

5 santhi

10 sharon

index.html

```html
<html>
<body>

<h1>CRUD OPERATIONS USING JSP</h1>
<br>
<form action="Insert.jsp" method="get">
<fieldset>
        <legend>CREATE</legend>
<label>Enter id
        <input type="text" name="u_id">
</label>
<br>
<label>Enter name
        <input type="text" name="u_name">
</label>
<br>
<input type="submit" value="INSERT">
</fieldset>
</form>

<form action="Delete.jsp" method="get">
<fieldset>
        <legend>REMOVE</legend>
<label>Enter id
        <input type="text" name="u_id">
</label>
<br>
<input type="submit" value="DELETE">
</fieldset>
</form>

<form action="Update.jsp" method="get">
<fieldset>
        <legend>UPDATE</legend>
<label>Enter id
        <input type="text" name="u_id">
</label>
<br>
```

```html
<label>Enter new name
        <input type="text" name="u_name">
</label>
<br>
<input type="submit" value="UPDATE">
</fieldset>
</form>

<form action="Select.jsp" method="get">
<fieldset>
        <legend>DISPLAY</legend>
<label>View Database </label>
<input type="submit" value="DISPLAY">
</fieldset>
</form>

</body>
</html>
```

select.jsp

```html
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>

<html>
<body>

<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost/test1" user="root" password="vaishu"/>

<sql:query dataSource="${snapshot}" var="result">
select * from student1;
</sql:query>

<table border="1" cellspacing="5" cellpadding="5">
<tr><th>ID</th><th>NAME</th></tr>

<c:forEach var="row" items="${result.rows}">
 <tr>
        <td><c:out value="${row.id}"/></td>
```

```
        <td><c:out value="${row.name}"/></td>
 </tr>
</c:forEach>

</table>
</body>
</html>
```

Insert.jsp

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>

<html>
<body>

<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost/test1" user="root" password="vaishu"/>

<sql:query dataSource="${snapshot}" var="result">
select * from student1;
</sql:query>

<p>Before Insertion</p>
<table border="1" cellspacing="5" cellpadding="5">
<tr><th>ID</th><th>NAME</th></tr>

<c:forEach var="row" items="${result.rows}">
 <tr>
      <td><c:out value="${row.id}"/></td>
      <td><c:out value="${row.name}"/></td>
 </tr>
</c:forEach>

</table>

<sql:update dataSource="${snapshot}" var="count">
INSERT INTO student1 (id,name) VALUES (?, ?);
<sql:param value="${param.u_id}" />
<sql:param value="${param.u_name}" />
```

```
</sql:update>

<sql:query dataSource="${snapshot}" var="result">
select * from student1;
</sql:query>

<p>After Insertion</p>
<table border="1" cellspacing="5" cellpadding="5">
<tr><th>ID</th><th>NAME</th></tr>

<c:forEach var="row" items="${result.rows}">
 <tr>
      <td><c:out value="${row.id}"/></td>
      <td><c:out value="${row.name}"/></td>
 </tr>
</c:forEach>

</table>
</body>
</html>
```

Delete.jsp

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>

<html>
<body>
<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost/test1" user="root" password="vaishu"/>

<sql:query dataSource="${snapshot}" var="result">
select * from student1;
</sql:query>

<p>Before Deletion</p>

<table border="1" cellspacing="5" cellpadding="5">
<tr><th>ID</th><th>NAME</th></tr>
```

```
<c:forEach var="row" items="${result.rows}">
 <tr>
      <td><c:out value="${row.id}"/></td>
      <td><c:out value="${row.name}"/></td>
 </tr>
</c:forEach>

</table>

<sql:update dataSource="${snapshot}" var="count">
Update student1 set name='${param.u_name}' where id='${param.u_id}';
</sql:update>

<sql:query dataSource="${snapshot}" var="result">
select * from student1;
</sql:query>

<p>After Deletion</p>

<table border="1" cellspacing="5" cellpadding="5">
<tr><th>ID</th><th>NAME</th></tr>

<c:forEach var="row" items="${result.rows}">
 <tr>
      <td><c:out value="${row.id}"/></td>
      <td><c:out value="${row.name}"/></td>
 </tr>
</c:forEach>

</table>
</body>
</html>
```

Update.jsp

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql" %>

<html>
<body>
```

```
<sql:setDataSource var="snapshot" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost/test1" user="root" password="vaishu"/>

<sql:query dataSource="${snapshot}" var="result">
select * from student1;
</sql:query>

<p>Before Updation</p>

<table border="1" cellspacing="5" cellpadding="5">
<tr><th>ID</th><th>NAME</th></tr>

<c:forEach var="row" items="${result.rows}">
 <tr>
      <td><c:out value="${row.id}"/></td>
      <td><c:out value="${row.name}"/></td>
 </tr>
</c:forEach>

</table>

<sql:update dataSource="${snapshot}" var="count">
Update student1 set name='${param.u_name}' where id='${param.u_id}';
</sql:update>

<sql:query dataSource="${snapshot}" var="result">
select * from student1;
</sql:query>

<p>After Updation</p>

<table border="1" cellspacing="5" cellpadding="5">
<tr><th>ID</th><th>NAME</th></tr>

<c:forEach var="row" items="${result.rows}">
 <tr>
      <td><c:out value="${row.id}"/></td>
      <td><c:out value="${row.name}"/></td>
 </tr>
</c:forEach>
```

```
</table>
</body>
</html>
```

OUTPUT:

CRUD OPERATIONS USING JSP

┌─CREATE──┐
Enter id 15
Enter name varshini
INSERT
└──┘

┌─REMOVE──┐
Enter id ____
DELETE
└──┘

┌─UPDATE──┐
Enter id ____
Enter new name ____
UPDATE
└──┘

┌─DISPLAY───┐
View Database DISPLAY
└──┘

Before Insertion

ID	NAME
1	vaish
2	abi
4	talapala
5	santhi
10	sharon

After Insertion

ID	NAME
1	vaish
2	abi
4	talapala
5	santhi
10	sharon
15	varshini

CRUD OPERATIONS USING JSP

CREATE
Enter id [ ]
Enter name [ ]
[INSERT]

REMOVE
Enter id [4]
[DELETE]

UPDATE
Enter id [ ]
Enter new name [ ]
[UPDATE]

DISPLAY
View Database [DISPLAY]

Before Deletion

ID	NAME
1	vaish
2	abi
4	talapala
5	santhi
10	sharon
15	varshini

After Deletion

ID	NAME
1	vaish
2	abi
5	santhi
10	sharon
15	varshini

CRUD OPERATIONS USING JSP

CREATE
Enter id
Enter name
INSERT

REMOVE
Enter id
DELETE

UPDATE
Enter id 10
Enter new name talapala
UPDATE

DISPLAY
View Database DISPLAY

← → C ⓘ localhost:8080/crudJSP/Update.jsp?u_id=10&u_name=talapala

Before Updation

ID	NAME
1	vaish
2	abi
5	santhi
10	uma
15	varshini

After Updation

ID	NAME
1	vaish
2	abi
5	santhi
10	talapala
15	varshini