

SAMIKSHA HALVE - 14

PRACTICAL NO - 5

Q5. A) Create an html page with fields, eno, name, age, desg, salary. Now on submit this data to a JSP page which will update the employee table of database with matching eno.

Ans :-

Code :- Create database in MySQL :-

```
CREATE DATABASE empdb;  
USE empdb;  
CREATE TABLE emp(  
    empid VARCHAR(10) PRIMARY KEY,  
    ename VARCHAR(50),  
    salary VARCHAR(50),  
    age VARCHAR(50)  
);  
INSERT INTO emp VALUES('1', 'aaa', '221234', '11');  
INSERT INTO emp VALUES('2', 'bbb', '334567', '22');  
INSERT INTO emp VALUES('3', 'ccc', '44454', '33');  
INSERT INTO emp VALUES('4', 'ddd', '55123', '44');
```

index.html :-

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>Update Employee</title>  
</head>  
<body>  
    <h2>Update Employee Record by Samiksha Halve</h2>  
    <form action="UpdateEmp.jsp" method="post">  
        Enter Employee Number: <input type="text" name="txtEno" required><br><br>  
        Enter Name: <input type="text" name="txtName" required><br><br>  
        Enter Age: <input type="text" name="txtAge" required><br><br>
```

```

Enter Salary: <input type="text" name="txtSal" required><br><br>
<input type="reset" value="Clear">
<input type="submit" value="Update">
</form>
</body>
</html>

```

UpdateEmp.java :-

```

<%@ page contentType="text/html;charset=UTF-8" import="java.sql.*" %>
<!DOCTYPE html>
<html>
<head>
<title>Employee Update</title>
</head>
<body>
<h1>Employee Record Update</h1>
<%
String eno = request.getParameter("txtEno");
String name = request.getParameter("txtName");
String age = request.getParameter("txtAge");
String sal = request.getParameter("txtSal");
try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection con = DriverManager.getConnection(
        "jdbc:mysql://localhost:3306/empdb", "root", "sam2402"
    );
    PreparedStatement stmt = con.prepareStatement("SELECT * FROM emp WHERE
        empid=?");
    stmt.setString(1, eno);
    ResultSet rs = stmt.executeQuery();
    if (rs.next()) {

```

```

PreparedStatement pst = con.prepareStatement(
    "UPDATE emp SET ename=?, age=?, salary=? WHERE empid=?"
);

pst.setString(1, name);
pst.setString(2, age);
pst.setString(3, sal);
pst.setString(4, eno);

int rows = pst.executeUpdate();

if (rows > 0) {
    out.println("<h2>~ Employee " + name + " Updated Successfully ~</h2>");
} else {
    out.println("<h2>Update Failed!</h2>");
}

} else {
    out.println("<h2>Employee Record does not exist!</h2>");
}

con.close();

} catch (Exception e) {
    out.println("<h2>Error: " + e.getMessage() + "</h2>");
}

%>

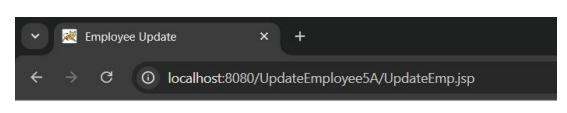
</body>

</html>

```

Output :-

The screenshot shows a browser window titled "Update Employee". The URL in the address bar is "localhost:8080/UpdateEmployee5A/". The page content is a form titled "Update Employee Record by Samiksha Halve". It contains four input fields: "Enter Employee Number: ", "Enter Name: ", "Enter Age: ", and "Enter Salary: ". Below the form are two buttons: "Clear" and "Update".



Employee Record Update

~~~ Employee abc Updated Successfully ~~~

# **SAMIKSHA HALVE - 14**

## **PRACTICAL NO - 6**

**Q6. A) Create a Currency Converter application using EJB.**

**Ans :-**

**Code :- index.html :-**

```
<html>
<head>
    <title>Currency Converter</title>
</head>
<body>
    <form action="CCServlet" method="get">
        <h2>Samiksha Halve</h2>
        Enter Amount <input type="text" name="amt"><br>
        Select Conversion Type<br>
        <input type="radio" name="type" value="r2d" checked> Rupees to Dollar
        <input type="radio" name="type" value="d2r"> Dollar to Rupees<br>
        <input type="reset">
        <input type="submit" value="CONVERT">
    </form>
</body>
</html>
```

**CCServlet.java :-**

```
package mypack;
import java.io.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import mybeans.CCBean;
public class CCServlet extends HttpServlet {
    private CCBean converter = new CCBean(); // Use helper class directly
    @Override
```

```

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html; charset=UTF-8");
PrintWriter out = response.getWriter();
double amt = Double.parseDouble(request.getParameter("amt"));
String type = request.getParameter("type");

out.println("<html><body>");
if ("r2d".equals(type)) {
    out.println("<h1>" + amt + " Rupees = " + converter.r2Dollar(amt) + "
Dollars</h1>");
} else if ("d2r".equals(type)) {
    out.println("<h1>" + amt + " Dollars = " + converter.d2Rupees(amt) + "
Rupees</h1>");
} else {
    out.println("<h1>Invalid Conversion Type</h1>");
}
out.println("</body></html>");
}
}

```

### **CCBean :-**

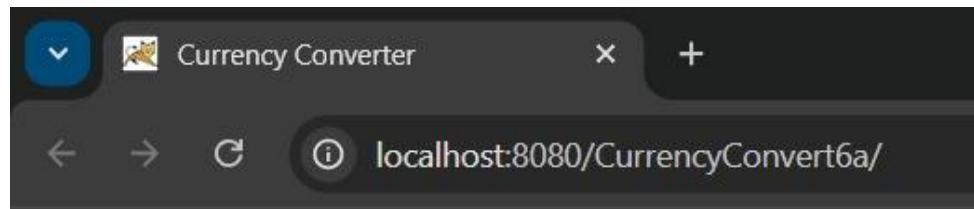
```

package mybeans;
public class CCBean {
    public double r2Dollar(double r) {
        return r / 65.65;
    }
    public double d2Rupees(double d) {
        return d * 65.65;
    }
}

```

}

**Output :-**



**Samiksha halve**

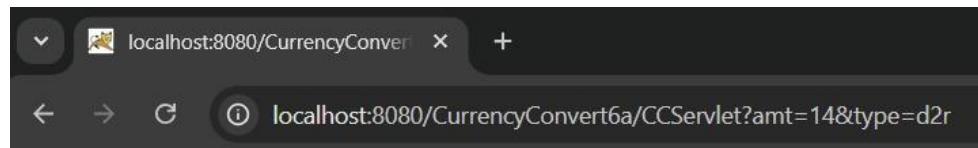
Enter Amount

Select Conversion Type

Rupees to Dollar  Dollar to Rupees

Reset

CONVERT



**14.0 Dollars = 919.1000000000001 Rupees**