

## 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()) {

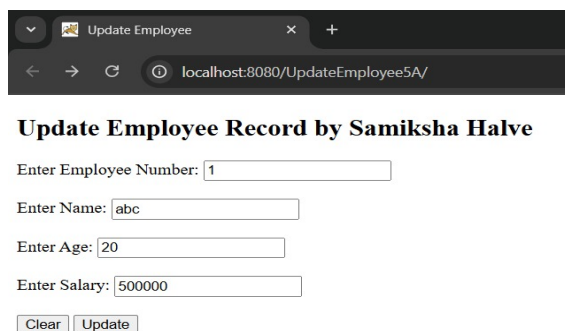
```

```

        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 :-



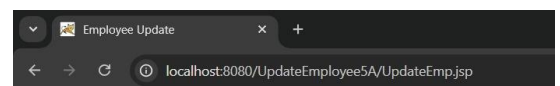
**Update Employee Record by Samiksha Halve**

Enter Employee Number:

Enter Name:

Enter Age:

Enter Salary:



### 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 {

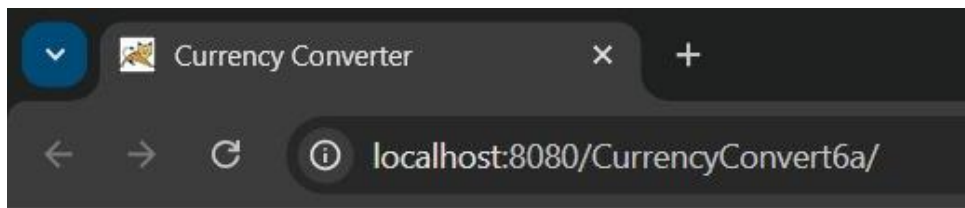
    public double r2Dollar(double r) {
        return r / 65.65;
    }

    public double d2Rupees(double d) {
        return d * 65.65;
    }
}

```

}

Output :-

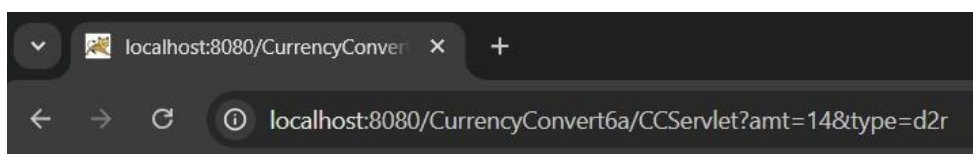


## Samiksha halve

Enter Amount

Select Conversion Type

☐ Rupees to Dollar ☒ Dollar to Rupees



**14.0 Dollars = 919.1000000000001 Rupees**