Name- Mohit Manish Bhavsar
Roll No- 20U437
Class- TE
Div- 4
Subject- WTL

Assignment No. 10
Index.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body>
        <form method="post" action="transact">
            Enter Amount: <input type="text" name="t1"/><br><br>
            <h3>Select Type</h3>
            <input type="radio" name="transaction" value="deposit">Deposit<br>
            <input type="radio" name="transaction" value="withdraw">Withdraw<br>
            <input type="submit" value="Submit"/>

        </form>
    </body>
</html>
```

Transact.java

```java
import bankexamp.BankTransactLocal;
import java.io.IOException;
import java.io.PrintWriter;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.naming.Context;
import javax.naming.InitialContext;
import javax.naming.NamingException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class transact extends HttpServlet {
```

```java
BankTransactLocal bankTransact = lookupBankTransactLocal();

/**
 * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
 * methods.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */

protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    try ( PrintWriter out = response.getWriter()) {
        /* TODO output your page here. You may use following sample code. */
        String selectedType = request.getParameter("transaction");
        int amount = Integer.parseInt(request.getParameter("t1"));
        if(selectedType.equals("deposit"))
        {
            int amt = bankTransact.deposit(amount);
            out.println(amount+"Successfully Deposited. Your balance is: Rs."+amt);
        }
        if(selectedType.equals("withdraw"))
        {
            int amt = bankTransact.withdraw(amount);
            out.println(amount+"Successfully Withdrawn. Your balance is: Rs."+amt);
        }

    }
}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to
edit the code.">
/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
```

```java
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
  processRequest(request, response);
}

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
  processRequest(request, response);
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
  return "Short description";
}// </editor-fold>

private BankTransactLocal lookupBankTransactLocal() {
  try {
    Context c = new InitialContext();
    return (BankTransactLocal) c.lookup("java:global/EnterpriseApplication1/EnterpriseApplication1-
ejb/BankTransact!bankexamp.BankTransactLocal");
  } catch (NamingException ne) {
    Logger.getLogger(getClass().getName()).log(Level.SEVERE, "exception caught", ne);
    throw new RuntimeException(ne);
  }
}
```
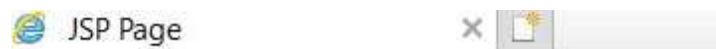
}

BankTransact.java
package bankexamp;
import javax.ejb.Stateful;@Stateful
public class BankTransact implements BankTransactLocal {
int balance = 10000;

```java
  @Override
  public int deposit(int amount) {
   balance = balance+amount;
   return balance;
  }

  // Add business logic below. (Right-click in editor and choose
  // "Insert Code > Add Business Method")

  @Override
  public int withdraw(int amount) {
     balance = balance - amount;
     return balance;
  }

}
```

localhost ×

1000Successfully Deposited. Your balance is: Rs.4490

localhost ×

490Successfully Withdrawn. Your balance is: Rs.4000