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**Roll no- 20U429**

**Assignment no 10**

**index.html**

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Bank Application using EJB</title>

</head>

<body>

<form method="post" action="transact">

<h1>Bank Application using EJB</h1>

Enter Amount: <input type="text" name="t1"> <br> <br>

<h3>Select Option</h3>

<input type="radio" name="transaction" value="withdraw"> Withdraw <br>

<input type="radio" name="transaction" value="deposit"> Deposit <br>

<input type="submit" value="submit">

</form>

</body>

</html>

**transact.java**

package myPkg;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.logging.Logger;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import bankexamp.BankTransactLocal;

@WebServlet("/transact")

public class transact extends HttpServlet

{

BankTransactLocal bankTransact = lookupBankTransactLocal();

protected void processRequest(HttpServletRequest req, HttpServletResponse res)

throws ServletException, IOException

{

try(PrintWriter out = res.getWriter())

{

String selectType = req.getParameter("transaction");

int amount = Integer.parseInt(req.getParameter("t1"));

if(selectType.equals("deposit"))

{

int amt = bankTransact.deposit(amount);

out.println(amount+" successfully withdrawn. Your balance is: Rs."+ amt);

}

if(selectType.equals("withdraw"))

{

int amt = bankTransact.withdraw(amount);

out.println(amount+" successfully withdrawn. Your balance is: Rs."+ amt);

}

}

}

private BankTransactLocal lookupBankTransactLocal()

{

try

{

Context c = new InitialContext();

return (BankTransactLocal) lookup("java:global/Bank/Bank-ejb/BankTransact!bankexmp.BankTransactLocal")

}

catch(NamingException ne)

{

Logger.getLogger(getClass().getName().log(Level.SERVE, "exception caught", ne));

throw new RuntimeException(ne);

}

}

}

**BankTransactLocal.java**

package bankexamp;

import javax.ejb.Local;

@Local

public interface BankTransactLocal {

int deposit(int amount);

int withdraw(int amount);

}

**BankTransact.java**

package bankexamp;

import javax.ejb.Stateful;

/\*\*

\* Session Bean implementation class BankTransact

\*/

@Stateful

public class BankTransact implements BankTransactLocal {

int balance = 10000;

@Override

public int deposit(int amount)

{

balance += amount;

return balance;

}

@Override

public int withdraw(int amount)

{

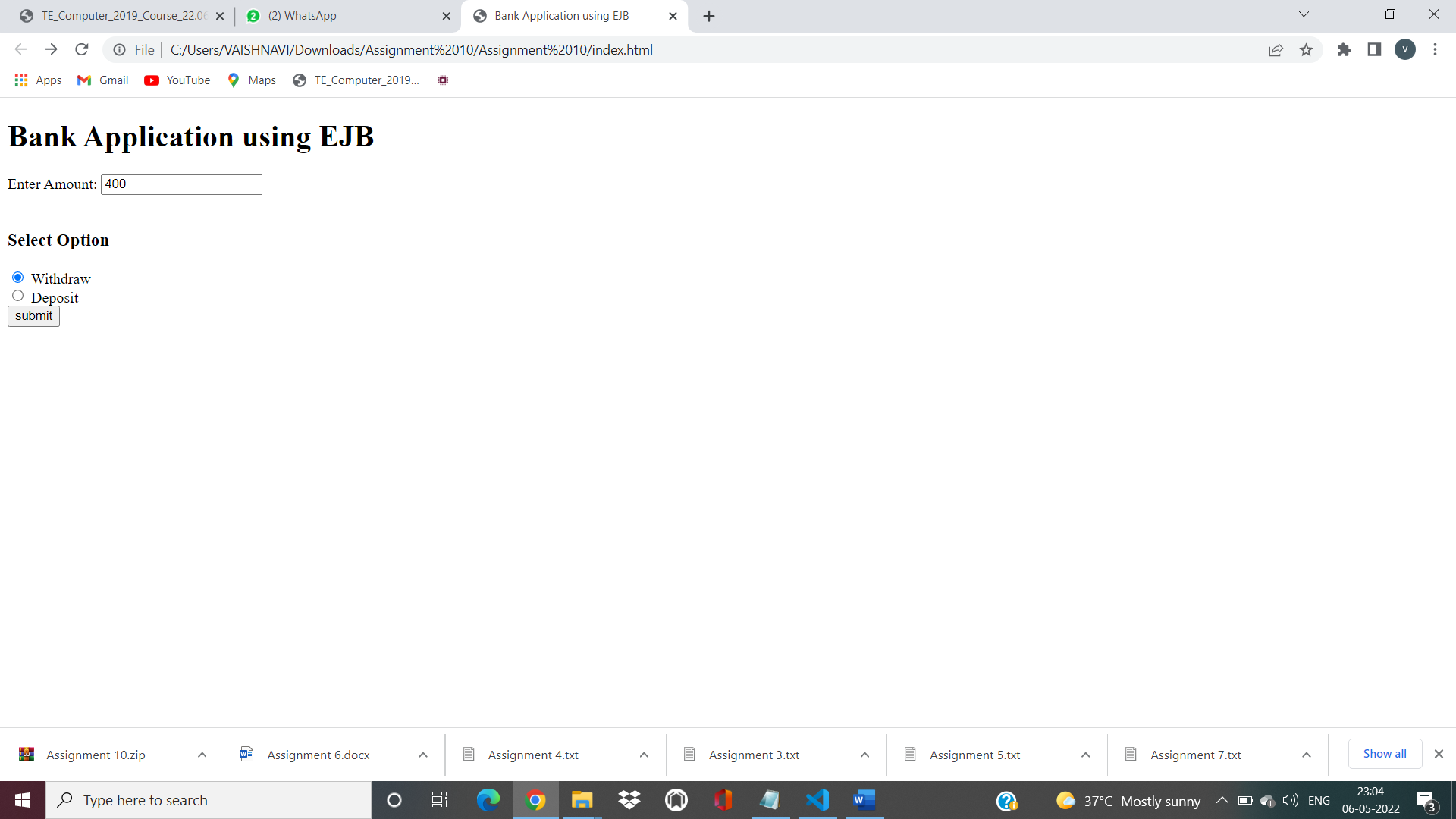
balance -= amount;

return balance;

}

}

**Output-**

****