

Code

1. index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Implement Bank Application using EJB</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>

    <form method="post" action="transact">
      <h1> Bank Application using EJB </h1>
      Enter Amount : <input type="text" name="t1" /> <br/> <br/>

      <h3>Select options</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>
```

2. BankTransact.java (EJB)

```
package bankexamp;
import javax.ejb.Stateful;
@Stateful
public class BankTransact implements BankTransactLocal {
    int balance = 10000;
    @Override
    public int deposit(int amount) {
        balance = balance + amount;
        return balance;
    }
    @Override
    public int withdraw(int amount) {
        balance = balance - amount;
        return balance;
    }
}
```

3. BankTransactLocal.java (EJB Local)

```
package bankexamp;
import javax.ejb.Local;
@Local
public interface BankTransactLocal {
    int withdraw(int amount);
    int deposit(int amount);
}
```

4. transact.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 {
    BankTransactLocal bankTransact = lookupBankTransactLocal();
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {

            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.<br/> Your Balance is : Rs."+amt);
            }
            if(selectedType.equals("withdraw")){
                int amt = bankTransact.withdraw(amount);
                out.println(amount +" successfully Withdrawn. <br/> Your Balance is : Rs."+amt);
            }
        }
    }

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        processRequest(request, response);
    }

    @Override
    public String getServletInfo() {
        return "Short description";
    }

    private BankTransactLocal lookupBankTransactLocal() {
        try {
            Context c = new InitialContext();
            return (BankTransactLocal) c.lookup("java:global/bank/bank-ejb/BankTransact!bankexamp.BankTransactLocal");
        }
    }
}
```

```

    } catch (NamingException ne) {
        Logger.getLogger(getClass().getName()).log(Level.SEVERE, "exception caught", ne);
        throw new RuntimeException(ne);
    }
}
}
}

```

Output



Bank Application using EJB

Enter Amount :

Select options

☐ Withdraw
☒ Deposit



100 successfully deposited. Your Balance is : Rs.10100





Bank Application using EJB

Enter Amount :

Select options

☒ Withdraw
☐ Deposit

