

## 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





## Bank Application using EJB

Enter Amount :

### Select options

- ☒ Withdraw  
☐ Deposit

