Assignment 24

**package** jdbc;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**import** java.util.Scanner;

**public** **class** Txdemo {

**public** **static** **void** main(String[] args) **throws** ClassNotFoundException, SQLException {

**int** Sourcebal=0;

**int** Desinationbal=0;

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("enter source account number:");

**int** SourceNo=sc.nextInt();

System.***out***.println("enter destination account number:");

**int** DesitnationNo=sc.nextInt();

System.***out***.println("enter transfer amount :");

**int** amount=sc.nextInt();

Class.*forName*("com.mysql.jdbc.Driver");

Connection con = DriverManager.*getConnection*( "jdbc:mysql://localhost:3306/shashi","root","root");

Statement st=con.createStatement();

ResultSet rs=st.executeQuery("select \* from bankaccount where accountno="+SourceNo);

**while**(rs.next()) {

Sourcebal=rs.getInt("Balance");

System.***out***.println("before transfering " + Sourcebal);

}

ResultSet rs1=st.executeQuery("select \* from bankaccount where accountno="+ DesitnationNo);

**while**(rs1.next()) {

Desinationbal=rs1.getInt("Balance");

}

con.setAutoCommit(**false**);

Sourcebal=Sourcebal-amount;

st.addBatch("update bankaccount set Balance="+Sourcebal+" where accountno="+SourceNo);

Desinationbal= Desinationbal+amount;

st.addBatch("update bankaccount set Balance="+ Desinationbal+" where accountno="+DesitnationNo );

**int** [] result=st.executeBatch();

**boolean** flag=**false**;

**for**(**int** i=0;i<result.length;i++) {

**if**(result[i]==0) {

flag=**true**;

System.***out***.println(i);

**break**;

}

}

**if**(!flag) {

con.commit();

System.***out***.println("transaction success");

System.***out***.println("destination account balance "+Desinationbal);

}

**else** {

con.rollback();

System.***out***.println("transaction failed");

}

}

}

Output

enter source account number:

432

enter destination account number:

433

enter transfer amount :

1

before transaction source account

before transfering 3490

transaction success

destination account balance 3511

