BankManaer.java

import java.sql.\*;

import org.springframework.jdbc.core.RowMapper;

public class BankManager implements RowMapper<Bank>

{

public Bank mapRow(ResultSet rs, int rowNum) throws SQLException {

Bank bank=new Bank();

bank.setId(rs.getInt("id"));

bank.setName(rs.getString("name"));

bank.setBalance(rs.getInt("balance"));

return bank;

}

}

Beans.xml

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-3.0.xsd">

<bean id="dataSource"

class="org.springframework.jdbc.datasource.DriverManagerDataSource">

<property name="driverClassName" value="com.mysql.jdbc.Driver" />

<property name="url" value="jdbc:mysql://localhost/login"/>

<property name="username" value="root" />

<property name="password" value="student" />

</bean>

<bean id="jdbcTemplate"

class="org.springframework.jdbc.core.JdbcTemplate">

<property name="dataSource" ref="dataSource"></property>

</bean>

<bean id="bankJDBCTemplate"

class="BankJDBCTemplate">

<property name="jdbcTemplateObject" ref="jdbcTemplate" />

</bean>

</beans>

Mainapp.java

import java.util.List;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class MainApp

{

public static void main(String args[])

{

ApplicationContext context=new ClassPathXmlApplicationContext("Beans.xml");

BankJDBCTemplate bankJDBCTemplate= (BankJDBCTemplate) context.getBean("bankJDBCTemplate");

System.out.println("Creating Accounts \n");

bankJDBCTemplate.create("Ammunje", 500);

System.out.println("Retrieving Accounts \n");

List<Bank> banks = bankJDBCTemplate.listbank();

for (Bank record : banks)

{

System.out.println("Account number"+ record.getId());

System.out.println("Name "+ record.getName());

System.out.println("Balance "+ record.getBalance());

}

System.out.println("Updating Accounts ");

bankJDBCTemplate.update(2, 20);

System.out.println("Updated Accounts ");

Bank bank = bankJDBCTemplate.getBank(2);

System.out.println("Account number"+ bank.getId());

System.out.println("Name "+ bank.getName());

System.out.println("Balance "+ bank.getBalance());

}

}

Bank.java

public class Bank

{

private String name;

private Integer balance;

private Integer id;

public void setId(Integer id)

{

this.id=id;

}

public Integer getId()

{

return id;

}

public void setBalance(Integer balance)

{

this.balance=balance;

}

public Integer getBalance()

{

return balance;

}

public void setName(String name)

{

this.name=name;

}

public String getName()

{

return name;

}

}

BankJDBCTemplate.java

import java.util.List;

import org.springframework.jdbc.core.JdbcTemplate;

//Table newBank under login db

public class BankJDBCTemplate {

private JdbcTemplate jdbcTemplateObject;

public void setJdbcTemplateObject(JdbcTemplate jdbcTemplateObject)

{

this.jdbcTemplateObject = jdbcTemplateObject;

}

public void create(String name, Integer balance)

{

String SQL="INSERT INTO newBank (name, balance) values (?, ?)";

jdbcTemplateObject.update(SQL, name, balance);

System.out.println("Created Bank acc holder name = "+ name + "Balance = "+ balance);

return;

}

public Bank getBank(Integer id)

{

String SQL= "select \* from newBank where id = ?";

Bank bank = jdbcTemplateObject.queryForObject(SQL, new Object[]{id}, new BankManager());

return bank;

}

public List <Bank> listbank()

{

String SQL="select \* from newBank";

List <Bank> banks= (List) jdbcTemplateObject.query(SQL, new BankManager());

return banks;

}

public void delete(Integer id)

{

String SQL= "delete from newBank where id= ?";

jdbcTemplateObject.update(SQL, id);

System.out.println("Deleted Account with account number = "+ id);

return;

}

public void update(Integer id, Integer balance)

{

String SQL="update newBank set balance= ? where id = ?";

jdbcTemplateObject.update(SQL, balance, id);

System.out.println("Update Account with account number = " + id);

return;

}

}