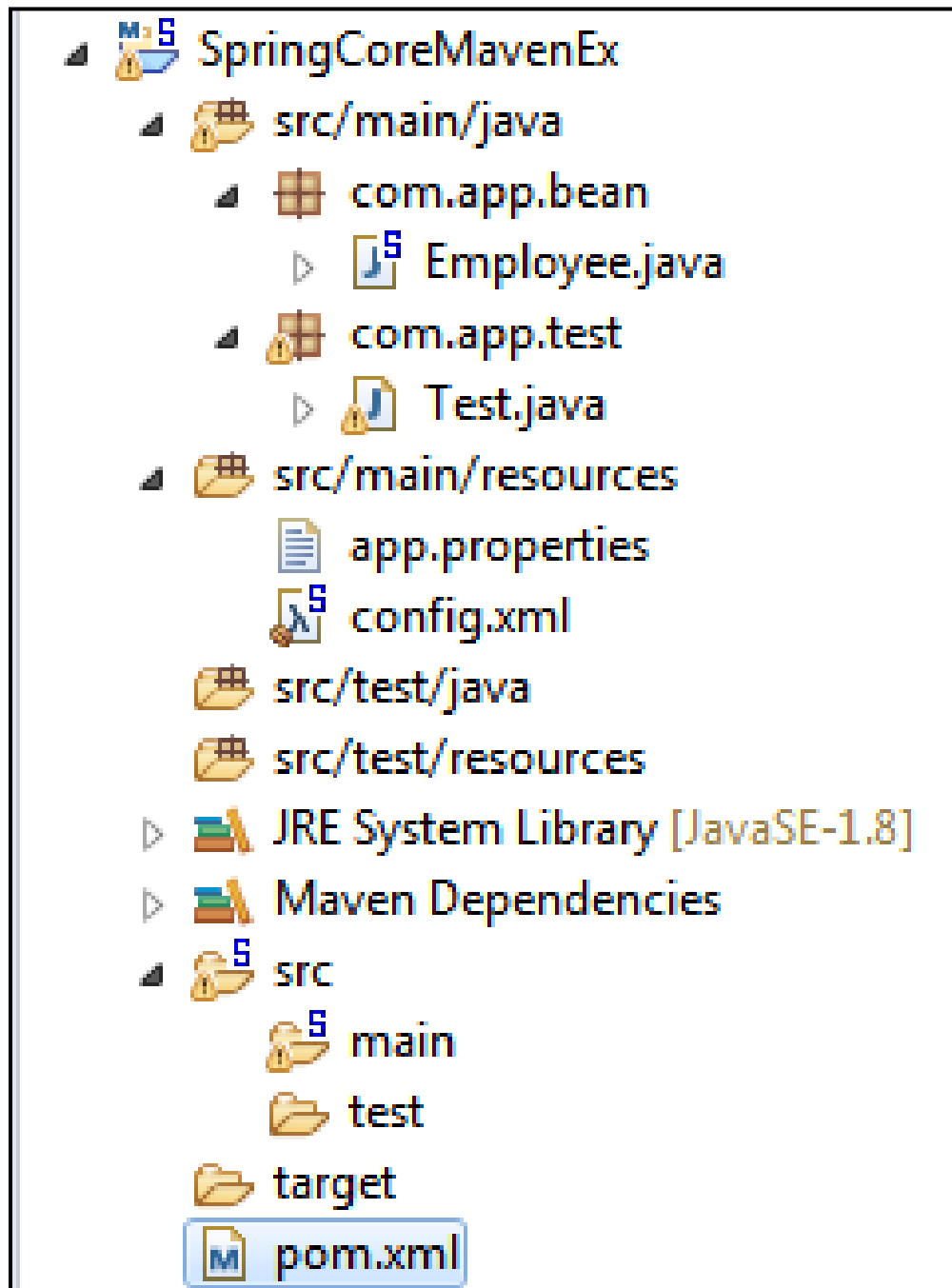


Spring Core Maven Example



pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
```

```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>org.sathaytech</groupId>
  <artifactId>SpringCoreMavenEx</artifactId>
  <version>1.0</version>

  <dependencies>
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-context</artifactId>
      <version>5.0.6.RELEASE</version>
    </dependency>
  </dependencies>

  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-compiler-plugin</artifactId>
        <version>3.8.0</version>
        <configuration>
          <source>1.8</source>
          <target>1.8</target>
        </configuration>
      </plugin>
    </plugins>
  </build>
```

```
</project>
```

Spring Bean:

package com.app.bean;

```
public class Employee {  
  
    private int empld;  
    private String empName;  
  
    public int getEmpld() {  
        return empld;  
    }  
    public void setEmpld(int empld) {  
        this.empld = empld;  
    }  
    public String getEmpName() {  
        return empName;  
    }  
    public void setEmpName(String empName) {  
        this.empName = empName;  
    }  
    @Override  
    public String toString() {  
        return "Employee [empld=" + empld + ", empName=" + empName +  
        "];"  
    }  
  
}
```

Spring Config File:

```
<?xml version="1.0" encoding="UTF-8"?>  
<beans xmlns="http://www.springframework.org/schema/beans"  
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
    xmlns:context="http://www.springframework.org/schema/context"  
    xmlns:p="http://www.springframework.org/schema/p"  
    xsi:schemaLocation="http://www.springframework.org/schema/beans  
http://www.springframework.org/schema/beans/spring-beans.xsd  
http://www.springframework.org/schema/context  
http://www.springframework.org/schema/context/spring-context.xsd">
```

```
<context:property-placeholder location="app.properties"/>
<bean class="com.app.bean.Employee"
      name="empObj"
      p:empId="${eid}"
      p:empName="${ename}"

/>
```

```
</beans>
```

```
app.properties
eid=888
ename=AAA
esal=3.3
```

Test class:

```
package com.app.test;
```

```
import org.springframework.context.ApplicationContext;
```

```
import org.springframework.context.support.ClassPathXmlApplicationContext;
```

```
import com.app.bean.Employee;
```

```
public class Test {
```

```
    public static void main(String[] args) {
```

```
        ApplicationContext ac=new
```

```
ClassPathXmlApplicationContext("config.xml");
```

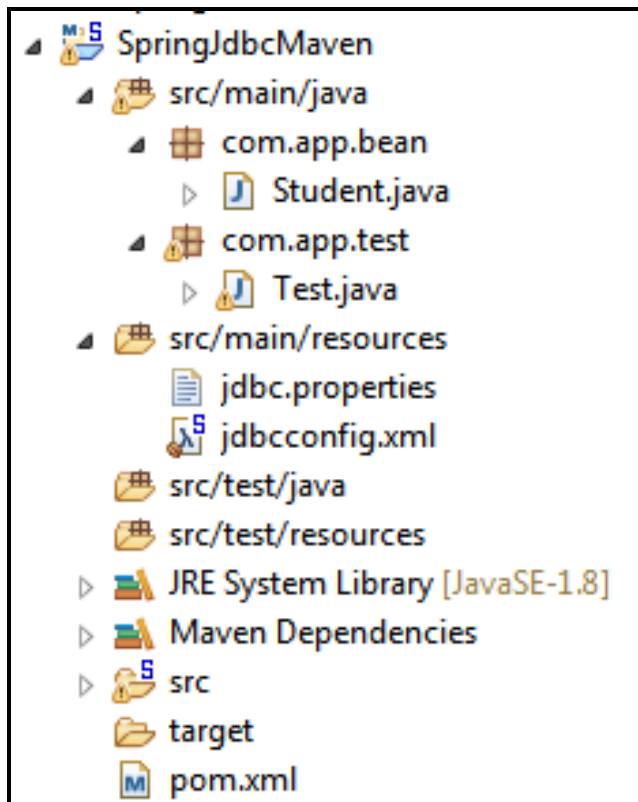
```
        Employee e=ac.getBean("empObj",Employee.class);
```

```
        System.out.println(e);
```

```
}  
}
```

Spring Jdbc Maven

Folder System:



pom.xml:

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
```

```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>org.sathyatech</groupId>
  <artifactId>SpringJdbcMaven</artifactId>
  <version>1.0</version>
  <dependencies>
    <!-- Spring JDBC -->
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-jdbc</artifactId>
      <version>5.0.6.RELEASE</version>
    </dependency>
    <!-- Spring Core -->
    <dependency>
      <groupId>org.springframework</groupId>
      <artifactId>spring-context</artifactId>
      <version>5.0.6.RELEASE</version>
    </dependency>
    <!-- Database -->
    <dependency>
      <groupId>mysql</groupId>
      <artifactId>mysql-connector-java</artifactId>
      <version>5.1.6</version>
    </dependency>
  </dependencies>
  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-compiler-
plugin</artifactId>
        <version>3.8.0</version>
        <configuration>
          <source>1.8</source>
        </configuration>
      </plugin>
    </plugins>
  </build>
</pom>
```

```
        <target>1.8</target>
    </configuration>
</plugin>
</plugins>
```

```
</build>
```

```
</project>
```

spring config file:

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:context="http://www.springframework.org/schema/context"
    xmlns:p="http://www.springframework.org/schema/p"
    xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.xsd
        http://www.springframework.org/schema/context
        http://www.springframework.org/schema/context/spring-context.xsd">
```

```
    <context:property-placeholder
        location="jdbc.properties"/>
```

```
    <bean
        class="org.springframework.jdbc.datasource.DriverManagerDataSource"
```

```
        name="dsObj"
        p:driverClassName="${dc}"
        p:url="${url}"
        p:username="${un}"
        p:password="${pwd}"
```

```
    />
```

```
    <bean class="org.springframework.jdbc.core.JdbcTemplate"
        name="jtObj"
```

```
        p:dataSource-ref="dsObj"  
    />  
  
</beans>
```

Spring Bean:

```
package com.app.bean;  
  
public class Student {  
  
    private int stdId;  
    private String stdName;  
    private double stdFee;  
    public int getStdId() {  
        return stdId;  
    }  
    public void setStdId(int stdId) {  
        this.stdId = stdId;  
    }  
    public String getStdName() {  
        return stdName;  
    }  
    public void setStdName(String stdName) {  
        this.stdName = stdName;  
    }  
    public double getStdFee() {  
        return stdFee;  
    }  
    public void setStdFee(double stdFee) {  
        this.stdFee = stdFee;  
    }  
    @Override  
    public String toString() {  
        return "Student [stdId=" + stdId + ", stdName=" +  
stdName + ", stdFee=" + stdFee + "];"  
    }  
}
```



```
}
```

jdbc.properties:

```
#Jdbc Conn. properties  
dc=com.mysql.jdbc.Driver  
url=jdbc:mysql://localhost:3306/test  
un=root  
pwd=root
```

Test class:

```
package com.app.test;  
  
import org.springframework.context.ApplicationContext;  
import  
org.springframework.context.support.ClassPathXmlApplicationC  
ontext;  
import org.springframework.jdbc.core.JdbcTemplate;  
  
import com.app.bean.Student;  
  
public class Test {  
  
    public static void main(String[] args) {  
        ApplicationContext ac=new  
ClassPathXmlApplicationContext("jdbcconfig.xml");  
        JdbcTemplate jt=ac.getBean(JdbcTemplate.class);  
        /*String sql="insert into student values(?,?,?)";  
        int count=jt.update(sql, 56,"AA",9.96);  
        System.out.println(count);*/  
  
        String sql="select * from student";  
        jt.query(sql, (rs,c)->{  
            Student s=new Student();  
            s.setStdId(rs.getInt(1));  
            s.setStdName(rs.getString(2));  
            s.setStdFee(rs.getDouble(3));
```

```
        return s;  
    }).forEach(System.out::println);  
  
    }  
}
```