Process to create POJO class from XSD file

1.Approach 1- using  jaxb2-maven-plugin XJC.

jaxb2-maven-plugin XJC is JAXB Binding compiler tool that can be used to generate Java Classes from XSD files.

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>jd</groupId>

<artifactId>jd</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>JD Example XSD to Java</name>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<build>

<plugins>

<!-- Plugin required to build java classes from XSD using XJC -->

<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>jaxb2-maven-plugin</artifactId>

<version>1.5</version>

<executions>

<execution>

<goals>

<goal>xjc</goal>

</goals>

</execution>

</executions>

<configuration>

<!-- The name of your generated source package -->

<arguments>-extension -npa -b ${project.basedir}/src/main/xsd/global.xjb</arguments>

</configuration>

</plugin>

</plugins>

</build>

</project>

2.xjb file

Global.xjb

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

<jaxb:bindings version="2.0"

xmlns:jaxb="http://java.sun.com/xml/ns/jaxb"

xmlns:xjc="http://java.sun.com/xml/ns/jaxb/xjc"

xmlns:xs="http://www.w3.org/2001/XMLSchema"

jaxb:extensionBindingPrefixes="xjc">

<jaxb:globalBindings>

<xjc:simple />

<xjc:serializable uid="-1" />

<jaxb:javaType name="java.util.Calendar" xmlType="xs:dateTime"

parseMethod="javax.xml.bind.DatatypeConverter.parseDateTime"

printMethod="javax.xml.bind.DatatypeConverter.printDateTime" />

</jaxb:globalBindings>

</jaxb:bindings>

Employee.xsd

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

<schema xmlns="http://www.w3.org/2001/XMLSchema"

targetNamespace="https://www.journaldev.com/com/journaldev/employee/data"

xmlns:empns="https://www.journaldev.com/com/journaldev/employee/data"

elementFormDefault="qualified">

<element name="empRequest" type="empns:EmpRequest"></element>

<element name="empResponse" type="empns:EmpResponse"></element>

<complexType name="EmpRequest">

<sequence>

<element name="id" type="int" minOccurs="0" maxOccurs="1" />

<element name="name" type="string" minOccurs="0" maxOccurs="1" />

</sequence>

</complexType>

<complexType name="EmpResponse">

<sequence>

<element name="id" type="int" minOccurs="1" maxOccurs="1" />

<element name="name" type="string" minOccurs="1" maxOccurs="1" />

<element name="role" type="string" minOccurs="1" maxOccurs="unbounded" />

<element name="gender" type="string" minOccurs="1" maxOccurs="1" />

<element name="salary" type="string" minOccurs="1" maxOccurs="1" />

</sequence>

</complexType>

</schema>