1. **Write a DTD for the given xml file**

<stock>

<new-car>

<model>Fiat</model>

<price>12000</price>

</new-car>

<used-car>

<model>Fiat Bravo</model>

<price>4000</price>

<mileage>1000</mileage>

<condition>Good</condition>

</used-car>

<used-car>

<model>Ferrari</model>

<price>400000</price>

<mileage>100</mileage></used-car>

</stock>

2. **Write DTD and XSD for the following XML code**

   Bookstore.xml

   <bookstotre>

       <book price="730.54" ISBN="string" publicationdate="2016-02-27">

```xml
        <title>string</title>

          <author>

            <first-name>string</first-name>

            <last-name>string</last-name>

          </author>

          <genre>string</genre>

        </book>

        <book price="6738.774" ISBN="string">

          <title>string</title>

          <author>

            <first-name>string</first-name>

            <last-name>string</last-name>

          </author>

        </book>

      </bookstore>
```
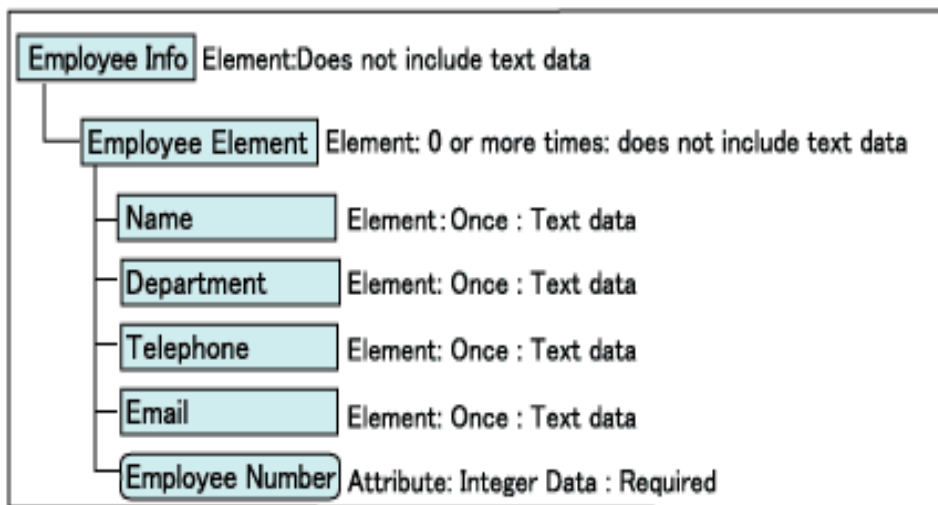
3. **Write external DTD and xml for the following structure**

Employee Info — Element: Does not include text data
  Employee Element — Element: 0 or more times: does not include text data
    Name — Element: Once : Text data
    Department — Element: Once : Text data
    Telephone — Element: Once : Text data
    Email — Element: Once : Text data
    Employee Number — Attribute: Integer Data : Required

This provides us with an understanding of the hierarchical structure of the XML

4. Write XML schema for the above structure.