

# Content Technology

## Lab - Assessment

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**1. Create an XML files for restaurant Menu card with Multiple sub level complexity.****## XML FILE ## (Menu\_Card.xml)**

```
<?xml    version="1.0"    encoding="utf-8"?>

<?xml-stylesheet type="text/xsl" href="menu.xsl"?>
<menubook  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="address.xsd" >
<menu>
    <name>Chowmin</name>
    <Quantity>1</Quantity>
    <Price>200</Price>

</menu>
<menu>
    <name>Chicken Biryani</name>
    <Quantity>1</Quantity>
    <Price>400</Price>
</menu>
<menu>
    <name>Mutton Biryani</name>
    <Quantity>1</Quantity>
    <Price>200</Price>
</menu>
<menu>
    <name>Veg Biryani</name>
    <Quantity>1</Quantity>
    <Price>400</Price>
</menu>
<menu>
    <name>Idli</name>
    <Quantity>1</Quantity>
    <Price>20</Price>
</menu>
<menu>
    <name>Samosa</name>
    <Quantity>1</Quantity>
    <Price>10</Price>
</menu>
</menubook>
```



## ## XSL FILE ~ (menu.xsl)

```
<?xml version="1.0" encoding="utf-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="html"/>
    <xsl:template match="/">
<html>
    <head>
<style type="text/css">
    table, th,td
    {
        border:3px solid black;
        border-collapse: collapse;
        padding: 5px;
        font-size:20px;
        left:10%;
    }
    th{ color:red; }
    tr{ color:green;}
    h2{
        left :50%;
        position:relative;
    }
</style>
</head>
<body>
    <h2>Menu Book</h2>
<table border="3">
    <tr>
        <th>Name</th>
        <th>Quantity</th>
        <th>Price</th>
    </tr>
    <xsl:for-each select="menubook/menu">
    <tr>
        <td><xsl:value-of select="name"/></td>
        <td><xsl:value-of select="Quantity"/></td>
        <td><xsl:value-of select="Price"/></td>
    </tr>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

## Output

Name	Quantity	Price
Chowmin	1	200
Chicken Biryani	1	400
Mutton Biryani	1	200
Veg Biryani	1	400
Idli	1	20
Samosa	1	10

## 2. Create DTD and XML Schema for an meeting Letter.

### ## XML FILE

```
<?xml version="1.0" encoding="UTF-8"?>
<Meeting>
  <Letter>
    <NAME>Mohan</NAME>
    <CITY>Patna</CITY>
    <Mob> 99365652 </Mob>
    <Date>12-02-2021</Date>
    <Time>9:00</Time>
  </Letter>
  <Letter>
    <NAME>Vishal</NAME>
    <CITY>Ranchi</CITY>
    <Mob> 993656572 </Mob>
    <Date>13-02-2021</Date>
    <Time>10:00</Time>
  </Letter>
  <Letter>
    <NAME>Ashok</NAME>
    <CITY>Raipur</CITY>
    <Mob> 99360652 </Mob>
    <Date>12-02-2021</Date>
    <Time>11:00</Time>
  </Letter>
  <Letter>
    <NAME>Sunny</NAME>
    <CITY>Chennai</CITY>
    <Mob> 99765652 </Mob>
    <Date>12-02-2021</Date>
    <Time>8:00</Time>
  </Letter>
  <Letter>
    <NAME>Aditya</NAME>
    <CITY>Lukhnow</CITY>
    <Mob> 99395652 </Mob>
    <Date>12-03-2021</Date>
    <Time>12:00</Time>
  </Letter>
</Meeting>
```

### # Schema File

```
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="Meeting">
    <xs:complexType>
      <xs:sequence>
```

```

<xs:element name="Letter" maxOccurs="unbounded" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element type="xs:string" name="NAME"/>
      <xs:element type="xs:string" name="CITY"/>
      <xs:element type="xs:float" name="Mob"/>
      <xs:element type="xs:string" name="Date"/>
      <xs:element type="xs:string" name="Time"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```

## #DTD File

```

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

```

```

<!--ELEMENT Meeting (Letter)+>
<!--ATTLIST Meeting
  xmlns CDATA #FIXED ">

```

```

<!--ELEMENT Letter (NAME,CITY,Mob,Date,Time)>
<!--ATTLIST Letter
  xmlns CDATA #FIXED ">

```

```

<!--ELEMENT NAME (#PCDATA)>
<!--ATTLIST NAME
  xmlns CDATA #FIXED ">

```

```

<!--ELEMENT CITY (#PCDATA)>
<!--ATTLIST CITY
  xmlns CDATA #FIXED ">

```

```

<!--ELEMENT Mob (#PCDATA)>
<!--ATTLIST Mob
  xmlns CDATA #FIXED ">

```

```

<!--ELEMENT Date (#PCDATA)>
<!--ATTLIST Date
  xmlns CDATA #FIXED ">

```

```

<!--ELEMENT Time (#PCDATA)>
<!--ATTLIST Time
  xmlns CDATA #FIXED ">

```

### Q.3 Tabulate the CD catalog content using XML.

#### #\_XML FILE

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="CD_Catalog.xsl"?>
<CATALOG lang="en">
  <CD>
    <TITLE>Empire Burlesque</TITLE>
    <ARTIST>Bob Dylan</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>Columbia</COMPANY>
    <PRICE>10.90</PRICE>
    <YEAR>1985</YEAR>
    <MORE>
      <STATUS>HIT</STATUS>
      <AWARD>YES</AWARD>
      <DUBBED>YES</DUBBED>
    </MORE>
  </CD>
  <CD>
    <TITLE>Hide your heart</TITLE>
    <ARTIST>Bonnie Tylor</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>CBS Records</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1988</YEAR>
    <MORE>
      <STATUS>BIG FLOP</STATUS>
      <AWARD>YES</AWARD>
      <DUBBED>NO</DUBBED>
    </MORE>
  </CD>
  <CD>
    <TITLE>Greatest Hits</TITLE>
    <ARTIST>Dolly Parton</ARTIST>
    <COUNTRY>USA</COUNTRY>
    <COMPANY>RCA</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1982</YEAR>
    <MORE>
      <STATUS>SUPERHIT</STATUS>
      <AWARD>YES</AWARD>
      <DUBBED>NO</DUBBED>
    </MORE>
  </CD>
  <CD>
    <TITLE>Still got the blues</TITLE>
    <ARTIST>Gary More</ARTIST>
```



```
<COUNTRY>UK</COUNTRY>
<COMPANY>Virgin redords</COMPANY>
<PRICE>10.20</PRICE>
<YEAR>1990</YEAR>
    <MORE>
        <STATUS>HIT</STATUS>
        <AWARD>YES</AWARD>
        <DUBBED>NO</DUBBED>
    </MORE>
</CD>
<CD>
    <TITLE>Eros</TITLE>
    <ARTIST>Eros Ramazzotti</ARTIST>
    <COUNTRY>EU</COUNTRY>
    <COMPANY>BMG</COMPANY>
    <PRICE>9.90</PRICE>
    <YEAR>1997</YEAR>
        <MORE>
            <STATUS>FLOP</STATUS>
            <AWARD>NO</AWARD>
            <DUBBED>NO</DUBBED>
        </MORE>
</CD>
<CD>
    <TITLE>One night only</TITLE>
    <ARTIST>Bee Gees</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>Polydor</COMPANY>
    <PRICE>10.90</PRICE>
    <YEAR>1998</YEAR>
        <MORE>
            <STATUS>SUPERHIT</STATUS>
            <AWARD>YES</AWARD>
            <DUBBED>YES</DUBBED>
        </MORE>
</CD>
<CD>
    <TITLE>Sylvias Mother</TITLE>
    <ARTIST>Dr.Hook</ARTIST>
    <COUNTRY>UK</COUNTRY>
    <COMPANY>CBS</COMPANY>
    <PRICE>8.10</PRICE>
    <YEAR>1973</YEAR>
        <MORE>
            <STATUS>SUPERHIT</STATUS>
            <AWARD>YES</AWARD>
            <DUBBED>NO</DUBBED>
        </MORE>
</CD>
<CD>
```

```
<TITLE>Maggie May</TITLE>
<ARTIST>Rod Stewart</ARTIST>
<COUNTRY>UK</COUNTRY>
<COMPANY>Pickwick</COMPANY>
<PRICE>8.50</PRICE>
<YEAR>1990</YEAR>
  <MORE>
    <STATUS>SUPERHIT</STATUS>
    <AWARD>YES</AWARD>
    <DUBBED>NO</DUBBED>
  </MORE>
</CD>
<CD>
  <TITLE>Romanza</TITLE>
  <ARTIST>Andrea Bocelli</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>Polydor</COMPANY>
  <PRICE>10.80</PRICE>
  <YEAR>1996</YEAR>
    <MORE>
      <STATUS>HIT</STATUS>
      <AWARD>YES</AWARD>
      <DUBBED>NO</DUBBED>
    </MORE>
</CD>
<CD>
  <TITLE>When a man loves a woman</TITLE>
  <ARTIST>Percy Sledge</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>Atlantic</COMPANY>
  <PRICE>8.70</PRICE>
  <YEAR>1987</YEAR>
    <MORE>
      <STATUS>HIT</STATUS>
      <AWARD>YES</AWARD>
      <DUBBED>NO</DUBBED>
    </MORE>
</CD>
<CD>
  <TITLE>Black angel</TITLE>
  <ARTIST>Savage Rose</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>Mega</COMPANY>
  <PRICE>10.90</PRICE>
  <YEAR>1995</YEAR>
    <MORE>
      <STATUS>HIT</STATUS>
      <AWARD>YES</AWARD>
      <DUBBED>NO</DUBBED>
    </MORE>
```

</CD>  
<CD>  
 <TITLE>1999 Grammy Nominees</TITLE>  
 <ARTIST>Many</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>Grammy</COMPANY>  
 <PRICE>10.20</PRICE>  
 <YEAR>1999</YEAR>  
 <MORE>  
 <STATUS>HIT</STATUS>  
 <AWARD>YES</AWARD>  
 <DUBBED>NO</DUBBED>  
 </MORE>

</CD>  
<CD>  
 <TITLE>For the good times</TITLE>  
 <ARTIST>Kenny Rogers</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>Mucik Master</COMPANY>  
 <PRICE>8.70</PRICE>  
 <YEAR>1995</YEAR>  
 <MORE>  
 <STATUS>HIT</STATUS>  
 <AWARD>YES</AWARD>  
 <DUBBED>NO</DUBBED>  
 </MORE>

</CD>  
<CD>  
 <TITLE>Big Willie style</TITLE>  
 <ARTIST>Will Smith</ARTIST>  
 <COUNTRY>USA</COUNTRY>  
 <COMPANY>Columbia</COMPANY>  
 <PRICE>9.90</PRICE>  
 <YEAR>1997</YEAR>  
 <MORE>  
 <STATUS>HIT</STATUS>  
 <AWARD>YES</AWARD>  
 <DUBBED>NO</DUBBED>  
 </MORE>

</CD>  
<CD>  
 <TITLE>Tupelo Honey</TITLE>  
 <ARTIST>Van Morrison</ARTIST>  
 <COUNTRY>UK</COUNTRY>  
 <COMPANY>Polydor</COMPANY>  
 <PRICE>8.20</PRICE>  
 <YEAR>1971</YEAR>  
 <MORE>  
 <STATUS>HIT</STATUS>  
 <AWARD>YES</AWARD>

<DUBBED>NO</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>Soulsville</TITLE>

<ARTIST>Jorn Hoe'l</ARTIST>

<COUNTRY>Norway</COUNTRY>

<COMPANY>WEA</COMPANY>

<PRICE>7.90</PRICE>

<YEAR>1996</YEAR>

<MORE>

<STATUS>HIT</STATUS>

<AWARD>YES</AWARD>

<DUBBED>NO</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>The very best of</TITLE>

<ARTIST>Cat Stevens</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>Island</COMPANY>

<PRICE>8.90</PRICE>

<YEAR>1990</YEAR>

<MORE>

<STATUS>SUPERHIT</STATUS>

<AWARD>NO</AWARD>

<DUBBED>YES</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>Stop</TITLE>

<ARTIST>Sam Brown</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>A and M</COMPANY>

<PRICE>8.90</PRICE>

<YEAR>1988</YEAR>

<MORE>

<STATUS>HIT</STATUS>

<AWARD>YES</AWARD>

<DUBBED>NO</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>Bridge of Spies</TITLE>

<ARTIST>T`Pau</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>Siren</COMPANY>

<PRICE>7.90</PRICE>

<YEAR>1987</YEAR>

<MORE>

<STATUS>HIT</STATUS>

<AWARD>YES</AWARD>

<DUBBED>NO</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>Private Dancer</TITLE>

<ARTIST>Tina Turner</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>Capitol</COMPANY>

<PRICE>8.90</PRICE>

<YEAR>1983</YEAR>

<MORE>

<STATUS>SUPERHIT</STATUS>

<AWARD>YES</AWARD>

<DUBBED>YES</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>Midt om natten</TITLE>

<ARTIST>Kim Larsen</ARTIST>

<COUNTRY>EU</COUNTRY>

<COMPANY>Medley</COMPANY>

<PRICE>7.80</PRICE>

<YEAR>1983</YEAR>

<MORE>

<STATUS>SUPERHIT</STATUS>

<AWARD>YES</AWARD>

<DUBBED>NO</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>Pavarotti Gala Concert</TITLE>

<ARTIST>Luciano Pavarotti</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>DECCA</COMPANY>

<PRICE>9.90</PRICE>

<YEAR>1991</YEAR>

<MORE>

<STATUS>HIT</STATUS>

<AWARD>YES</AWARD>

<DUBBED>NO</DUBBED>

</MORE>

</CD>

<CD>

<TITLE>The dock of the bay</TITLE>

<ARTIST>Otis Redding</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>Atlantic</COMPANY>

<PRICE>7.90</PRICE>

```
<YEAR>1987</YEAR>
  <MORE>
    <STATUS>AVERAGE</STATUS>
    <AWARD>NO</AWARD>
    <DUBBED>NO</DUBBED>
  </MORE>
</CD>
<CD>
  <TITLE>Picture book</TITLE>
  <ARTIST>Simply Red</ARTIST>
  <COUNTRY>EU</COUNTRY>
  <COMPANY>Elektra</COMPANY>
  <PRICE>7.20</PRICE>
  <YEAR>1985</YEAR>
  <MORE>
    <STATUS>BELOW AVERAGE</STATUS>
    <AWARD>YES</AWARD>
    <DUBBED>YES</DUBBED>
  </MORE>
</CD>
<CD>
  <TITLE>Red</TITLE>
  <ARTIST>The Communards</ARTIST>
  <COUNTRY>UK</COUNTRY>
  <COMPANY>London</COMPANY>
  <PRICE>7.80</PRICE>
  <YEAR>1987</YEAR>
  <MORE>
    <STATUS>GOOD</STATUS>
    <AWARD>YES</AWARD>
    <DUBBED>NO</DUBBED>
  </MORE>
</CD>
<CD>
  <TITLE>Unchain my heart</TITLE>
  <ARTIST>Joe Cocker</ARTIST>
  <COUNTRY>USA</COUNTRY>
  <COMPANY>EMI</COMPANY>
  <PRICE>8.20</PRICE>
  <YEAR>1987</YEAR>
  <MORE>
    <STATUS>BELOW AVERAGE</STATUS>
    <AWARD>YES</AWARD>
    <DUBBED>NO</DUBBED>
  </MORE>
</CD>
</CATALOG>
```

## #XSD FILE (Schema)

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="CATALOG">
    <xs:complexType>
      <xs:sequence>
        <xs:element maxOccurs="unbounded" name="CD">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="TITLE" type="xs:string" />
              <xs:element name="ARTIST" type="xs:string" />
              <xs:element name="COUNTRY" type="xs:string" />
              <xs:element name="COMPANY" type="xs:string" />
              <xs:element name="PRICE" type="xs:decimal" />
              <xs:element name="YEAR">
                <xs:simpleType>
                  <xs:restriction base="xs:unsignedShort">
                    <xs:minInclusive value="1800"/>
                    <xs:maxInclusive value="2021"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
            <xs:element name="MORE">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="STATUS">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:enumeration value="HIT"/>
                        <xs:enumeration value="FLOP"/>
                        <xs:enumeration value="SUPERHIT"/>
                        <xs:enumeration value="AVERAGE"/>
                        <xs:enumeration value="GOOD"/>
                        <xs:enumeration value="BELOW AVERAGE"/>
                        <xs:enumeration value="BIG FLOP"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                <xs:element name="AWARD" >
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:pattern value="Yes|NO"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
              <xs:element name="DUBBED">
                <xs:simpleType>
```

```

        <xs:restriction base="xs:string">
            <xs:pattern value="Yes|NO"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="lang" type="xs:string" use="required" />
</xs:complexType>
</xs:element>
</xs:schema>

```

## #XSL FILE

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:template match="/">
        <html lang="en">
            <body style="font-family:Calibri; font-size:11pt; background-color:#EEEEEE;">
                <table border="1" cellpadding="1" width="90%">
                    <tr bgcolor="#F5DEB3" style="font-size:15pt;">
                        <th colspan="9"><marquee width="100%" direction="right"
height="30px" scrollamount="5">CD CATALOG :: Name-Purushottam Kumar (2020178043)
</marquee></th> </tr>
                    <tr bgcolor="#35960f" style="color:white;">
                        <th>Title</th>
                        <th>Artist Name</th>
                        <th>Country Name</th>
                        <th>Company Name</th>
                        <th>Price</th>
                        <th>Year</th>
                        <th>Status</th>
                        <th>Award</th>
                        <th>Dubbed</th>
                    </tr>
                    <xsl:for-each select="CATALOG/CD">
                        <xsl:sort select="TITLE"/>
                        <tr style="text-align:center;">
                            <xsl:choose>
                                <xsl:when test="MORE/STATUS='HIT'">
                                    <td bgcolor="#008B8B">
                                        <xsl:value-of select="TITLE"/>
                                    </td>

```



```

        </xsl:when>
        <xsl:when test="MORE/STATUS='SUPERHIT'">
            <td bgcolor="#00FA9A">
                <xsl:value-of select="TITLE"/>
</td>

        </xsl:when>
        <xsl:when test="MORE/STATUS='FLOP'">
            <td bgcolor="#EE82EE">
                <xsl:value-of select="TITLE"/>
</td>

        </xsl:when>
        <xsl:otherwise>
            <td> <xsl:value-of select="TITLE"/> </td>
        </xsl:otherwise>
    </xsl:choose>
    <td><xsl:value-of select="ARTIST"/></td>
    <td><xsl:value-of select="COUNTRY"/></td>
    <td><xsl:value-of select="COMPANY"/></td>
    <td><xsl:value-of select="PRICE"/></td>
    <td><xsl:value-of select="YEAR"/></td>
    <td><xsl:value-of select="MORE/STATUS"/></td>
    <td><xsl:value-of select="MORE/AWARD"/></td>
    <td><xsl:value-of select="MORE/DUBBED"/></td>
</tr>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>

```

**OUTPUT :-**

CD CATALOG :: Name-Purushottam Kumar (2020178043)								
Title	Artist Name	Country Name	Company Name	Price	Year	Status	Award	Dubbed
1999 Grammy Nominees	Many	USA	Grammy	10.20	1999	HIT	YES	NO
Big Willie style	Will Smith	USA	Columbia	9.90	1997	HIT	YES	NO
Black angel	Savage Rose	EU	Mega	10.90	1995	HIT	YES	NO
Bridge of Spies	T`Pau	UK	Siren	7.90	1987	HIT	YES	NO
Empire Burlesque	Bob Dylan	USA	Columbia	10.90	1985	HIT	YES	NO
Eros	Eros Ramazzotti	EU	BMG	9.90	1997	HIT	YES	NO
For the good times	Kenny Rogers	UK	Mucik Master	8.70	1995	HIT	YES	NO
Greatest Hits	Dolly Parton	USA	RCA	9.90	1982	HIT	YES	NO
Hide your heart	Bonnie Tylor	UK	CBS Records	9.90	1988	HIT	YES	NO
Maggie May	Rod Stewart	UK	Pickwick	8.50	1990	HIT	YES	NO
Midt om natten	Kim Larsen	EU	Medley	7.80	1983	HIT	YES	NO
One night only	Bee Gees	UK	Polydor	10.90	1998	HIT	YES	NO
Pavarotti Gala Concert	Luciano Pavarotti	UK	DECCA	9.90	1991	HIT	YES	NO
Picture book	Simply Red	EU	Elektra	7.20	1985	HIT	YES	NO
Private Dancer	Tina Turner	UK	Capitol	8.90	1983	HIT	YES	NO
Red	The Communards	UK	London	7.80	1987	HIT	YES	NO
Romanza	Andrea Bocelli	EU	Polydor	10.80	1996	HIT	YES	NO
Soulsville	Jorn Hoel	Norway	WEA	7.90	1996	HIT	YES	NO
Still got the blues	Gary More	UK	Virgin redords	10.20	1990	HIT	YES	NO
Stop	Sam Brown	UK	A and M	8.90	1988	HIT	YES	NO
Sylvias Mother	Dr.Hook	UK	CBS	8.10	1973	HIT	YES	NO
The dock of the bay	Otis Redding	USA	Atlantic	7.90	1987	HIT	YES	NO
The very best of	Cat Stevens	UK	Island	8.90	1990	HIT	YES	NO

**Q.4** Tabulate the CD catalog content - that shows the selected artist play list.

## Xml file

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

```
<catalog>
```

```
<cd>
```

```
<title>Empire Burlesque</title>
```

```
<artist>Bob Dylan</artist>
```

```
<country>USA</country>
```

```
<company>Columbia</company>
```

```
<price>10.90</price>
```

```
<year>1985</year>
```

```
</cd>
```

```
<cd>
```

```
<title>Hide your heart</title>
```

```
<artist>Bonnie Tyler</artist>
```

```
<country>UK</country>
```

```
<company>CBS Records</company>
```

<price>9.90</price>

<year>1988</year>

</cd>

<cd>

<title>Greatest Hits</title>

<artist>Dolly Parton</artist>

<country>USA</country>

<company>RCA</company>

<price>9.90</price>

<year>1982</year>

</cd>

<cd>

<title>Still got the blues</title>

<artist>Gary Moore</artist>

<country>UK</country>

<company>Virgin records</company>

<price>10.20</price>

<year>1990</year>

</cd>

<cd>

<title>Eros</title>

<artist>Eros Ramazzotti</artist>

<country>EU</country>

<company>BMG</company>

<price>9.90</price>

<year>1997</year>

</cd>

<cd>

<title>One night only</title>

<artist>Bee Gees</artist>

<country>UK</country>

<company>Polydor</company>

<price>10.90</price>

<year>1998</year>

</cd>

<cd>

<title>Sylvias Mother</title>

<artist>Dr.Hook</artist>

<country>UK</country>

<company>CBS</company>

<price>8.10</price>

<year>1973</year>

</cd>

<cd>

<title>Maggie May</title>

<artist>Rod Stewart</artist>

<country>UK</country>

<company>Pickwick</company>

<price>8.50</price>

<year>1990</year>

</cd>

<cd>

<title>Romanza</title>

<artist>Andrea Bocelli</artist>

<country>EU</country>

<company>Polydor</company>

<price>10.80</price>

<year>1996</year>

</cd>

<cd>

<title>When a man loves a woman</title>

<artist>Percy Sledge</artist>

<country>USA</country>

<company>Atlantic</company>

<price>8.70</price>

<year>1987</year>

</cd>

<cd>

<title>Black angel</title>

<artist>Savage Rose</artist>

<country>EU</country>

<company>Mega</company>

<price>10.90</price>

<year>1995</year>

</cd>

<cd>

<title>1999 Grammy Nominees</title>

<artist>Many</artist>

<country>USA</country>

<company>Grammy</company>

<price>10.20</price>

<year>1999</year>

</cd>

<cd>

<title>For the good times</title>

<artist>Kenny Rogers</artist>

<country>UK</country>

<company>Mucik Master</company>

<price>8.70</price>

<year>1995</year>

</cd>

<cd>

<title>Big Willie style</title>

<artist>Will Smith</artist>

<country>USA</country>

<company>Columbia</company>

<price>9.90</price>

<year>1997</year>

</cd>

<cd>

<title>Tupelo Honey</title>

<artist>Van Morrison</artist>

<country>UK</country>

<company>Polydor</company>

<price>8.20</price>

<year>1971</year>

</cd>

<cd>

<title>Soulsville</title>

<artist>Jorn Hoel</artist>

<country>Norway</country>

<company>WEA</company>

<price>7.90</price>

<year>1996</year>

</cd>

<cd>

<title>The very best of</title>

<artist>Cat Stevens</artist>

<country>UK</country>

<company>Island</company>

<price>8.90</price>

<year>1990</year>

</cd>

<cd>

<title>Stop</title>

<artist>Sam Brown</artist>

<country>UK</country>

<company>A and M</company>

<price>8.90</price>

<year>1988</year>

</cd>

<cd>

<title>Bridge of Spies</title>

<artist>T` Pau</artist>

<country>UK</country>

<company>Siren</company>

<price>7.90</price>

<year>1987</year>

</cd>

<cd>

<title>Private Dancer</title>

<artist>Tina Turner</artist>

<country>UK</country>

<company>Capitol</company>

<price>8.90</price>

<year>1983</year>

</cd>

<cd>

<title>Midt om natten</title>

<artist>Kim Larsen</artist>

<country>EU</country>

<company>Medley</company>

<price>7.80</price>

<year>1983</year>

</cd>

<cd>

<title>Pavarotti Gala Concert</title>

<artist>Luciano Pavarotti</artist>

<country>UK</country>

<company>DECCA</company>

<price>9.90</price>

<year>1991</year>

</cd>

<cd>

<title>The dock of the bay</title>

<artist>Otis Redding</artist>

<country>USA</country>

<company>Stax Records</company>

<price>7.90</price>

<year>1968</year>

</cd>

<cd>

<title>Picture book</title>

<artist>Simply Red</artist>

<country>EU</country>

<company>Elektra</company>

<price>7.20</price>

<year>1985</year>

</cd>

<cd>

<title>Red</title>

<artist>The Communards</artist>

<country>UK</country>

<company>London</company>

<price>7.80</price>

<year>1987</year>

</cd>

<cd>

<title>Unchain my heart</title>

<artist>Joe Cocker</artist>

<country>USA</country>

<company>EMI</company>



```
<price>8.20</price>
<year>1987</year>
</cd>
</catalog>
```

## Xslt file

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
  <html>
    <body>
      <h2>My CD Collection</h2>
      <table border="1">
        <tr bgcolor="#9acd32">
          <th>Title</th>
          <th>Artist</th>
          <th>Price</th>
        </tr>
        <xsl:for-each select="catalog/cd[artist='Bob Dylan']">
          <xsl:if test="price>10">
            <tr>
              <td><xsl:value-of select="title"/></td>
              <td><xsl:value-of select="artist"/></td>
              <td><xsl:value-of select="price"/></td>
            </tr>
          </xsl:if>
        </xsl:for-each>
      </table>
    </body>
  </html>
```

</xsl:template>

</xsl:stylesheet>

## OUTPUT

```
<company>Columbia</company>
<price>10.90</price>
<year>1985</year>
</cd>
<cd>
  <title>Hide your heart</title>
  <artist>Bonnie Tyler</artist>
  <country>UK</country>
  <company>CBS Records</company>
  <price>9.90</price>
  <year>1988</year>
</cd>
<cd>
  <title>Greatest Hits</title>
  <artist>Dolly Parton</artist>
```

```
<th>Artist</th>
<th>Price</th>
</tr>
<xsl:for-each select="catalog/cd[artist='Bob Dylan']">
  <xsl:if test="price>10">
    <tr>
      <td><xsl:value-of select="title"/></td>
      <td><xsl:value-of select="artist"/></td>
      <td><xsl:value-of select="price"/></td>
    </tr>
  </xsl:if>
</xsl:for-each>
</table>
</body>
</html>
```

Edit the XML or XSLT code above and Click Me »

My CD Collection

Title	Artist	Price
Empire Burlesque	Bob Dylan	10.90

Q.5 Tabulate the XML content about a tourist spots in your District using XSLT. Apply different color to rows

#XML FILE

```
1  <?xml version="1.0" encoding="utf-8" ?>
2  <?xml-stylesheet type="text/xsl" href="style.xsl" ?>
3  <address>
4      <places>
5          <touristplace>British Columbia</touristplace>
6          <distric>Nelson</distric>
7      </places>
8      <places>
9          <touristplace>Vorarlberg</touristplace>
10         <distric>Höchst</distric>
11     </places>
12     <places>
13         <touristplace>North Island</touristplace>
14         <distric>Cambridge</distric>
15     </places>
16     <places>
17         <touristplace>Henegouwen</touristplace>
18         <distric>Frasnes-lez-Gosselies</distric>
19     </places>
20     <places>
21         <touristplace>Västra Götalands län</touristplace>
22         <distric>Lerum</distric>
23     </places>
24 </address>
```

XSL FILE

```
style.xsl
2  <xsl:stylesheet version = "1.0"
3  xmlns:xsl = "http://www.w3.org/1999/XSL/Transform">
4      <xsl:template match = "/">
5          <html>
6              <body>
7                  <h2>Tourist Map Book</h2>
8                  <table border = "1">
9                      <tr>
10                         <th bgcolor= "white">Tourist place</th>
11                         <th bgcolor= "white">Distric</th>
12                     </tr>
13                     <xsl:for-each select="address/places">
14                         <tr>
15                             <td bgcolor= "green"><xsl:value-of select = "touristplace"/></td>
16                             <td bgcolor= "grey"><xsl:value-of select = "distric"/></td>
17                         </tr>
18                     </xsl:for-each>
19                 </table>
20             </body>
21         </html>
22     </xsl:template>
23 </xsl:stylesheet>
```

OUTPUT

C:\Users\adity\OneDrive - An... x

# Tourist Map Book

Tourist place	Distric
British Columbia	Nelson
Vorarlberg	Höchst
North Island	Cambridge
Henegouwen	Frasnes-lez-Gosselies
Västra Götalands län	Lerum