BANK.XSD FILE

```xml
<?xml version="1.0" encoding="UTF-8"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema"
targetNamespace="http://www.example.org/Bank"
xmlns:tns="http://www.example.org/Bank" elementFormDefault="qualified">


<complexType name="bankType">
     <sequence>
          <element name="accounts" type="tns:acctType"></element>
          <element name="customers" type="tns:custType"></element>
          <element name="customer_accounts"
type="tns:cust_acctsType"></element>
     </sequence>
</complexType>

<complexType name="acctType">
     <sequence>
          <element name="savings_accounts" type="tns:saveaccsType"></element>
          <element name="checking_accounts"
type="tns:checkaccsType"></element>
     </sequence>
</complexType>

<complexType name="saveaccsType">
     <sequence>
          <element name="savings_account" minOccurs="1" maxOccurs="unbounded"
type="tns:saveaccType"></element>
     </sequence>
</complexType>

<complexType name="saveaccType">
     <sequence>
          <element name="balance" type="positiveInteger"></element>
     </sequence>
     <attribute name="id" type="string" use="required">
     </attribute>
     <attribute name="interest" type="decimal" use="required">
     </attribute>
</complexType>

<complexType name="checkaccsType">
     <sequence>
          <element name="checking_account" minOccurs="1"
maxOccurs="unbounded"  type="tns:checkaccType"></element>
     </sequence>
</complexType>

<complexType name="checkaccType">
     <sequence>
          <element name="balance" type="int"></element>
     </sequence>
     <attribute name="id" type="string" use="required">
     </attribute>
</complexType>
```

```xml
<complexType name="custType">
      <sequence>
            <element name="customer" minOccurs="1" maxOccurs="unbounded"
type="tns:customer_Type"></element>
      </sequence>
</complexType>


<complexType name="customer_Type">
      <sequence>
            <element name="name" type="string"></element>
            <element name="address" type="string"></element>
      </sequence>
      <attribute  name="id" type="string" use="required">
      </attribute>
</complexType>

<complexType name="cust_acctsType">
      <sequence>
            <element name="customer_account" minOccurs="1"
maxOccurs="unbounded"  type="tns:cust_acctType"></element>
      </sequence>
</complexType>

<complexType name="cust_acctType">
      <attribute name="c_id" type="string" use="required">
      </attribute>
      <attribute name="ac_id" type="string" use="required">
      </attribute>
</complexType>

<element name="bank" type="tns:bankType"></element>

</schema>
```

XSL FILE

```xml
<?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>
  <table width="250px" style="margin:0 auto;text-align:center" border="1">
   <tr >
      <th colspan='3'>
         Accounts
      </th>
   </tr>
   <tr >
      <th colspan='3'>
         Savings Accounts
      </th>
   </tr>

   <tr >
      <th>Id</th>
      <th>Interest</th>
      <th>Balance</th>
```

```
    </tr>
 <xsl:for-each select="/bank/accounts/savings_accounts/savings_account">
    <tr >
    <td><xsl:value-of select="@id"/></td>
    <td><xsl:value-of select="@interest"/></td>
    <td><xsl:value-of select="balance"/></td>
</tr>
    </xsl:for-each>
<tr >
    <th colspan='3'>
       Checking Accounts
    </th>
</tr>

<tr >
    <th>Id</th>
    <th colspan='2'>Balance</th>
</tr>

<xsl:for-each select="/bank/accounts/savings_accounts/savings_account">
    <tr >
    <td><xsl:value-of select="@id"/></td>
    <td colspan='2'><xsl:value-of select="balance"/></td>
</tr>
    </xsl:for-each>


<tr >
    <th colspan='3'>
       Customers
    </th>
</tr>

<tr >
    <th>Id</th>
    <th>Name</th>
    <th>Address</th>
</tr>

    <xsl:for-each select="/bank/customers/customer">
    <tr >
    <td><xsl:value-of select="@id"/></td>
    <td><xsl:value-of select="name"/></td>
    <td><xsl:value-of select="address"/></td>
</tr>
    </xsl:for-each>

<tr >
    <th colspan='3'>
       Customers-Accounts Relation
    </th>
</tr>

<tr >
    <th  colspan='2'>Customer Id</th>
    <th>Account Id</th>
</tr>

    <xsl:for-each select="/bank/customer_accounts/customer_account">
    <tr >
    <td colspan='2'><xsl:value-of select="@c_id"/></td>
    <td><xsl:value-of select="@ac_id"/></td>
```

```
        </tr>
      </xsl:for-each>


    </table>
    </html>
</xsl:template>

</xsl:stylesheet>
```

OUTPUT OF XSLT TO HTML:

Accounts		
Savings Accounts		
Id	**Interest**	**Balance**
a1	0.03	2500
a2	0.03	15075
Checking Accounts		
Id	**Balance**	
a1	2500	
a2	15075	
Customers		
Id	**Name**	**Address**
c1	Ben	Park Drive 2
c2	Marc	Mill Drive 75
c3	Angel	Lake Sight 14
Customers-Accounts Relation		
Customer Id	**Account Id**	
a2	c1	
a3	c1	
a4	c2	
a1	c3	
a1	c3	
a5	c3	