1.

```
SQL> CREATE TABLE AdminDocs (
  2    id INT PRIMARY KEY,
  3    xDoc CLOB NOT NULL
  4  );

Table created.
```

```
SQL> -- Inserting the first row of data
SQL> INSERT INTO AdminDocs VALUES (1, '<catalog>
  2    <product dept="WMN">
  3      <number>557</number>
  4      <name language="en">Fleece Pullover</name>
  5      <colorChoices>navy black</colorChoices>
  6    </product>
  7    <product dept="ACC">
  8      <number>563</number>
  9      <name language="en">Floppy Sun Hat</name>
 10    </product>
 11    <product dept="ACC">
 12      <number>443</number>
 13      <name language="en">Deluxe Travel Bag</name>
 14    </product>
 15    <product dept="MEN">
 16      <number>784</number>
 17      <name language="en">Cotton Dress Shirt</name>
 18      <colorChoices>white gray</colorChoices>
 19      <desc>Our <i>favorite</i> shirt!</desc>
 20    </product>
 21  </catalog>');

1 row created.

SQL>
SQL> -- Inserting the second row of data
SQL> INSERT INTO AdminDocs VALUES (2, '<doc id="123">
  2    <sections>
  3      <section num="1"><title>XML Schema</title></section>
  4      <section num="3"><title>Benefits</title></section>
  5      <section num="4"><title>Features</title></section>
  6    </sections>
  7  </doc>');

1 row created.
```

```
SQL Plus                                                                    —   □   ×
1 row created.

SQL> select *
  2  from AdminDocs
  3  /

        ID
----------
XDOC
--------------------------------------------------------------------------------
         1
<catalog>
  <product dept="WMN">
    <number>557</number>
    <name language="en

         2
<doc id="123">
  <sections>

        ID
----------
XDOC
--------------------------------------------------------------------------------
    <section num="1"><title>XML Schema</title></sect
```

2.

```
SQL> SELECT id, XMLQuery('/catalog/product' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  2  FROM AdminDocs;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam

         2
```

```
SQL> SELECT id, XMLQuery('//product' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  2  FROM AdminDocs;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam

         2
```

```
SQL> SELECT id, product.*
  2  FROM AdminDocs,
  3       XMLTable('/catalog/product' PASSING XMLType(xDoc)
  4                COLUMNS
  5                    dept VARCHAR2(50) PATH '@dept',
  6                    "number" VARCHAR2(50) PATH 'number',
  7                    name VARCHAR2(100) PATH 'name'
  8              ) AS product;

        ID DEPT
---------- -----------------------------------------------
number
-------------------------------------------------
NAME
--------------------------------------------------------------------------------
         1 WMN
557
Fleece Pullover

         1 ACC
563
Floppy Sun Hat

        ID DEPT
---------- -----------------------------------------------
number
-------------------------------------------------
NAME
--------------------------------------------------------------------------------

         1 ACC
443
Deluxe Travel Bag

         1 MEN
784

        ID DEPT
---------- -----------------------------------------------
number
-------------------------------------------------
NAME
--------------------------------------------------------------------------------
Cotton Dress Shirt
```

```
SQL> SELECT id, XMLQuery('/catalog/product[@dept="WMN"]' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  2  FROM AdminDocs;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam

         2
```

```
SQL> SELECT id, XMLQuery('/catalog/product[@dept="WMN"]' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  2  FROM AdminDocs;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam

         2
```

```
SQL> SELECT id,
  2         XMLQuery('//product[@dept="WMN"]' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  3  FROM AdminDocs;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam

         2

SQL>
```

```
SQL> SELECT id,
  2         XMLQuery('/catalog/product[@dept="WMN"]' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  3  FROM AdminDocs;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam

         2
```

```
SQL> SELECT id,
  2         XMLQuery('//product[@dept="WMN"]' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  3  FROM AdminDocs;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam

         2
```

```
SQL> SELECT id,
  2         XMLQuery('//product[number > 500]' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_xml
  3  FROM AdminDocs
  4  WHERE id = 1;

        ID
----------
PRODUCT_XML
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam
```

```
SQL> SELECT id,
  2         XMLQuery('//product[number > 500]/number' PASSING XMLType(xDoc) RETURNING CONTENT) AS product_numbers
  3  FROM AdminDocs
  4  WHERE id = 1;

        ID
----------
PRODUCT_NUMBERS
--------------------------------------------------------------------------------
         1
<number>557</number><number>563</number><number>784</number>
```

```
SQL> SELECT id,
  2         XMLQuery('/catalog/product[4]' PASSING XMLType(xDoc) RETURNING CONTENT) AS fourth_product
  3  FROM AdminDocs
  4  WHERE id = 1;

        ID
----------
FOURTH_PRODUCT
--------------------------------------------------------------------------------
         1
<product dept="MEN"><number>784</number><name language="en">Cotton Dress Shirt</

SQL> SELECT id,
```

```
SQL> SELECT id,
  2         XMLQuery('//product[number > 500][@dept="ACC"]' PASSING XMLType(xDoc) RETURNING CONTENT) AS acc_products
  3  FROM AdminDocs
  4  WHERE id = 1;

        ID
----------
ACC_PRODUCTS
--------------------------------------------------------------------------------
         1
<product dept="ACC"><number>563</number><name language="en">Floppy Sun Hat</name
```

```
SQL> SELECT id,
  2          XMLQuery('//product[number > 500][1]' PASSING XMLType(xDoc) RETURNING CONTENT) AS first_product_gt_500
  3  FROM AdminDocs
  4  WHERE id = 1;

        ID
----------
FIRST_PRODUCT_GT_500
--------------------------------------------------------------------------------
         1
<product dept="WMN"><number>557</number><name language="en">Fleece Pullover</nam
```

3.

```
SQL> select * from AdminDocs where id=2
  2  /

        ID
----------
XDOC
--------------------------------------------------------------------------------
         2
<doc id="123">
  <sections>
    <section num="1"><title>XML Schema</title></sect
```