Store your XML documents in a table with two columns
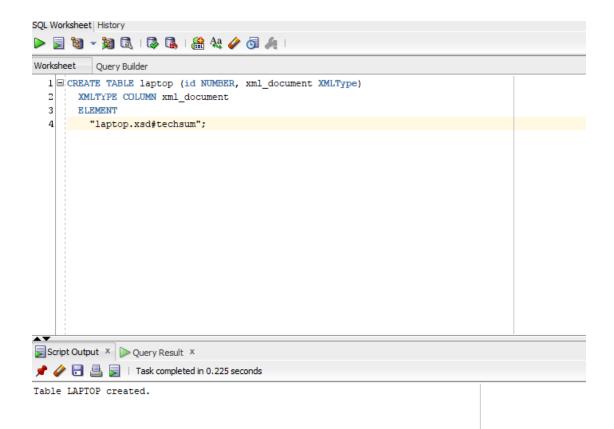
    a. An identifier to act as a PK for each laptop document (e.g., laptopno), and also create a sequence to supply values for this identifier.

    b. your xml laptop document as the other column.

    c. The storage must be managed via a registered schema. You are required to use Binary XML storage for the XML component. Ensure you explicitly declare this, do not leave it to the Oracle defaults.

Provide the SQL commands which you used to store your data.

1. Register the Schema into Oracle (1.sql)

```
Worksheet    Query Builder

 1 BEGIN DBMS_XMLSCHEMA.registerSchema(
 2   SCHEMAURL=>'laptop.xsd',
 3   SCHEMADOC=>'<?xml version="1.0" encoding="utf-8"?>
 4 <!-- Use UTF-8 for potential non-English characters -->
 5 <xs:schema
 6     xmlns:xs="http://www.w3.org/2001/XMLSchema" targetNamespace = "urn:techsum">
 7     <!--Root-->
 8     <xs:element name="techsum">
 9         <xs:complexType>
10             <xs:sequence>
11                 <xs:element name="BrandName" type="xs:string" />
12                 <xs:element name="ModelNumber" type="xs:string"/>
13                 <!--The Weight Unit in this case can be set as "KG", "Pound"-->
14                 <xs:element name="ItemWeight">
15                     <xs:complexType>
16                         <xs:simpleContent>
17                             <!--The Weight is decimal-->
18                             <xs:extension base="xs:decimal">
19                                 <xs:attribute name="Unit" type="xs:string"/>
20                             </xs:extension>
21                         </xs:simpleContent>
22                     </xs:complexType>
23                 </xs:element>
24                 <!--ProductDescription can also set as token for trim -->
25                 <xs:element name="ProductDescription" type="xs:string"/>
26                 <xs:element name="URL" type="xs:string"/>
27                 <xs:element name="Price">
28                     <xs:complexType>
29                         <xs:simpleContent>
30                             <xs:extension base="xs:decimal">
31                                 <!--Currency attribute: declare currency type like USD or AUD -->
32                                 <xs:attribute type="xs:string" name="Currency"/>
33                             </xs:extension>
34                         </xs:simpleContent>
35                     </xs:complexType>
36                 </xs:element>
37                 <xs:element name="OperatingSystem" type="xs:string"/>
38                 <xs:element name="Hardware">
39                     <xs:complexType>
```

```
Script Output  ×    Query Result  ×

| Task completed in 0.046 seconds

PL/SQL procedure successfully completed.
```

2. Create Table (2.sql)

Worksheet | Query Builder

```
1 CREATE TABLE laptop (id NUMBER, xml_document XMLType)
2    XMLTYPE COLUMN xml_document
3    ELEMENT
4    "laptop.xsd#techsum";
```

Script Output × ▶ Query Result ×

Task completed in 0.225 seconds

```
Table LAPTOP created.
```

3. Insert Record (3.sql)

Worksheet | Query Builder

```
1 SELECT * FROM LAPTOP
```

View Value   ×

```
<?xml version="1.0" encoding="UTF-8"?>
<techsum loptopno="100">
  <BrandName>Google</BrandName>
  <ModelNumber>GA00122-US</ModelNumber>
  <ItemWeight Unit="Pounds">1.09</ItemWeight>
  <ProductDescription>Google Pixelbook</ProductDescription>
  <URL>https://goo.gl/CDfecY</URL>
  <Price Currency="AUD">1325.70</Price>
  <OperatingSystem>Chrome</OperatingSystem>
  <Hardware>
   <Screen Size="12.3">
    <MaxScreenResolution>2400 * 1600</MaxScreenResolution>
   </Screen>
   <Processor>3.3 GHz</Processor>
   <RAM Type="">8</RAM>
   <HardDrive Type="SSD">64</HardDrive>
   <WirelessType>
    <WirelessStandrad>802.11b</WirelessStandrad>
    <WirelessStandrad>802.11g</WirelessStandrad>
    <WirelessStandrad>802.11n</WirelessStandrad>
   </WirelessType>
```

Load **Download** Set NULL Editor

Script Output × ▶ Query Result ×

SQL | All Rows Fetched: 5 in 0.004 seconds

	ID	LAPTOP_DOC
1	100	<RAM Type="">8</RAM>
2	101	(XML TYPE)