

## Assignment No: 3

### XML

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

<catalog>

  <product id="123" category="electronics" brand="Samsung" weight="1.5">

    <name>Smartphone</name>

    <description>A high-end smartphone with a large screen and powerful
processor.</description>

    <price>899.99</price>

    <quantity>100</quantity>

  </product>

  <product id="456" category="clothing" brand="Nike" size="L">

    <name>T-shirt</name>

    <description>A comfortable and stylish T-shirt made from high-quality
materials.</description>

    <price>29.99</price>

    <quantity>500</quantity>

  </product>

</catalog>
```

### XSD

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

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <xs:element name="catalog">

    <xs:complexType>

      <xs:sequence>

        <xs:element name="product" maxOccurs="unbounded">

          <xs:complexType>

            <xs:sequence>

              <xs:element name="name" type="xs:string"/>

            </xs:sequence>

          </xs:complexType>

        </xs:element>

      </xs:sequence>

    </xs:complexType>

  </xs:element>

</xs:schema>
```

```

<xs:element name="description" type="xs:string"/>
<xs:element name="price" type="xs:decimal"/>
<xs:element name="quantity" type="xs:int"/>
</xs:sequence>
<xs:attribute name="id" type="xs:int" use="required"/>
<xs:attribute name="category" type="xs:string" use="required"/>
<xs:attribute name="brand" type="xs:string" use="optional"/>
<xs:attribute name="weight" type="xs:decimal" use="optional"/>
<xs:attribute name="size" type="xs:string" use="optional"/>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```

## OUTPUT

Validates the XML string/file against the specified XSD string/file. XSD files are "XML Schemas" that describe the structure of a XML document. The validator checks for well formedness first, meaning that your XML file must be parsable using a DOM/SAX parser, and only then does it validate your XML against the XML Schema. The validator will report fatal errors, non-fatal errors and warnings.

The XML document is valid. ✕

**Option 1: Copy-paste your XML document here**

```

<price>899.99</price>
<quantity>100</quantity>
</product>
<product id="456" category="clothing" brand="Nike" size="L">
  <name>T-shirt</name>

```

**Option 2: Or upload your XML file**

Choose File

No file chosen

**File encoding**

UTF-8 ▼

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**Option 1: Copy-paste your XSD here (Optional if XSD referred in XML using schemaLocation)**

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <xs:element name="catalog">
    <xs:complexType>

```

**Option 2: Or upload your XSD document**

Choose File

No file chosen

**File encoding**

UTF-8 ▼

Validate XML