

Student Name : Dhyey Vora

Student ID : 17ITUOS078

Student Roll Number : IT - 123

Student Batch : IT - I4

Scenario Details:

e.g XML schema document and Instance Document for storing the student information.

Identify the elements of XML Document for storing the single student information, Its hierarchy, restrictions and so on...

Prepare the XML schema document for same and validate the XML Document with XML Schema.

## Schema:

```
<?xml version="1.0"?>
```

```
<xs:schema version="1.0"
```

```
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
```

```
  elementFormDefault="qualified">
```

```
<xs:element name="BookTicket">
```

```
<xs:complexType>
```

```
<xs:sequence>
```

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

```
<xs:element name="Age">
```

```
<xs:simpleType>
```

```
<xs:restriction base="xs:integer">
  <xs:minInclusive value="5"/>
  <xs:maxInclusive value="100"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="source" type="xs:string"></xs:element>
<xs:element name="Destination" type="xs:string"></xs:element>
<xs:element name="train" type="xs:string"></xs:element>
<xs:element name="window_seat" type="xs:boolean"></xs:element>
<xs:element name="payment_method">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Credit-card"/>
      <xs:enumeration value="Debit Card"/>
      <xs:enumeration value="Mobile-Wallet"/>
      <xs:enumeration value="Net-Banking"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>
```

## Document:

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

```
<BookTicket
```

```
  xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
```

```
  xsi:noNamespaceSchemaLocation='XMLSchema.xsd'>
```

```
  <Name>Dhyey Vora</Name>
```

```
  <Age>21</Age>
```

```
  <source>Mumbai</source>
```

```
  <Destination>Delhi</Destination>
```

```
  <train>Rajdhani</train>
```

```
  <window_seat>1</window_seat>
```

```
  <payment_method>Net-Banking</payment_method>
```

```
</BookTicket>
```