**Internal DTD Declaration:**

If the DTD is declared inside the XML file, it should be wrapped in DOCTYPE definition as in

the following example:

<!DOCTYPE note[

<!ELEMENT note (to,from,heading,body)>

<!ELEMENT to (#PCDATA)>

<!ELEMENT from (#PCDATA)>

<!ELEMENT heading (#PCDATA)>

<!ELEMENT body (#CDATA)>

]>

<note>

<to>Ravi</to>

<from>Chythanya</from>

<heading>Message</heading>

<body>Welcome to the XML with DTD</body>

</note>

**External DTD Declaration:**

If the DTD is declared in an external file, it should be wrapped in a DOCTYPE definition with

the following syntax:

<!DOCTYPE DOCUMENT SYSTEM “File\_Name.dtd”>

**Example: emailDTD.xml:**

<?xml version=”1.0”?>

<!DOCTYPE note SYSTEM “emailDTD.dtd”>

<note>

<to>Ravi</to>

<from>Chythanya</from>

<heading>Message</heading>

<body>Welcome to the XML with DTD</body>

</note>

**emailDTD.dtd:**

<!ELEMENT note (to,from,heading,body)>

<!ELEMENT to (#PCDATA)>

<!ELEMENT from (#PCDATA)>

<!ELEMENT heading (#PCDATA)>

<!ELEMENT body (#CDATA)>

**StudentSchema.xsd:**

<?XML version=”1.0”?>

<xs:schema XMLns:xs=“http://www.w3.org/2001/XMLschema”>

<xs:element name="student">

<xs:complextype>

<xs:sequence>

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

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

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

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

</xs:sequence>

</xs:complextype>

</xs:element>

</xs:schema>

**XML Document (myschema.XML):**

<?xml version="1.0" encoding="iso-8859-1" ?>

<student XMLns:xsi = "http://www.w3.org/2001/XMLschema-instance"

xsi:nonamespaceschemalocation = "studentschema.xsd">

<name>anand</name>

<address>knr</address>

<std>second</std>

<marks>70percent</marks>

</student>