

## **Experiment No.6**

**Name: Sumit Prabhakar Kamble.**

**Roll\_no: 47**

**Div: B Batch: B2 Class: TY CSE**

**PRN: 21ST114282045**

**Title: Create XML schema, DTD for any database application.**

### **• student.xml: -**

```
<?xml version="1.0" standalone="no"?>
<!DOCTYPE students SYSTEM "student.dtd">
<students>
  <student>
    <roll_no>1</roll_no>
    <name>
      <fname>Sumit</fname>
      <mname>P</mname>
      <lname>Kamble</lname>
    </name>
    <address>
      <city>Kolhapur</city>
      <pincode>410612</pincode>
    </address>
  </student>
  <student>
    <roll_no>2</roll_no>
    <name>
      <fname>Cristiano</fname>
      <lname>Ronaldo</lname>
    </name>
    <address>
      <city>Mumbai</city>
      <pincode>410615</pincode>
    </address>
  </student>
</students>
```

</student>

</students>

- **student.dtd: -**

<!ELEMENT students (student+)>

<!ELEMENT student (roll\_no,name,address)>

<!ELEMENT roll\_no (#PCDATA)>

<!ELEMENT name (fname,mname?,lname)>

<!ELEMENT fname (#PCDATA)>

<!ELEMENT mname (#PCDATA)>

<!ELEMENT lname (#PCDATA)>

<!ELEMENT address (city,pincode)>

<!ELEMENT city (#PCDATA)>

<!ELEMENT pincode (#PCDATA)>

**Output: - (Without error)**

**Please copy your XML document in here:**

```
<?xml version="1.0" standalone="no"?>
<!DOCTYPE students SYSTEM "student.dtd">
<students>
<student>
  <roll_no>1</roll_no>
  <name>
    <fname>Sumit</fname>
    <mname>P</mname>
    <lname>Kamble</lname>
  </name>
```

Or upload it:

Choose File

No file chosen

The validation check is performed against any XML schema or DTD declared inside the XML document.

If neither an XML schema nor a DTD is declared, only a syntax check is performed.

To validate the XML document against an external XML schema, click below.

☐ Validate against external XML schema

validate

The file **student.dtd** is being referenced. Please copy it in here, so that the validation can continue:

```
<!ELEMENT students (student+)>
<!ELEMENT student (roll_no,name,address)>
<!ELEMENT roll_no (#PCDATA)>
<!ELEMENT name (fname,mname?,lname)>
<!ELEMENT fname (#PCDATA)>
<!ELEMENT mname (#PCDATA)>
<!ELEMENT lname (#PCDATA)>
<!ELEMENT address (city,pincode)>
<!ELEMENT city (#PCDATA)>
<!ELEMENT pincode (#PCDATA)>
```

Or upload it:

Choose File No file chosen

continue validation

## Validate an XML file

Read [here how to validate your XML files](#) (including referenced DTDs) online with just a few mouse clicks.

### No errors were found

The following files have been uploaded so far:



[XML document:](#) 

[student.dtd](#) 


Click on any file name if you want to edit the file.


## Output: - (With error)

### 2 errors have been found!



Click on  to jump to the error. In the document, you can point at  with your mouse to see the error message.

#### Errors in the XML document:

 4: 10 Document root element "student", must match DOCTYPE root "students".

 16:2 The markup in the document following the root element must be well-formed.

#### XML document:

```
1 <?xml version="1.0" standalone="no"?>
2 <!DOCTYPE students SYSTEM "student.dtd">
3
4 <student>

5 <roll_no>1</roll_no>
6 <name>
7 <fname>Sumit</fname>
8 <mname>P</mname>
9 <lname>Kamble</lname>
10 </name>
11 <address>
12 <city>Kolhapur</city>
13 <pincode>410612</pincode>
14 </address>
15 </student>
16 <
student>
```