

Experiment No.6

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Div: B Batch: B2 Class: TY CSE

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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>Shubham</fname>
      <mname>S</mname>
      <lname>Chougule</lname>
    </name>
    <address>
      <city>Kolhapur</city>
      <pincode>410612</pincode>
    </address>
  </student>
  <student>
    <roll_no>2</roll_no>
    <name>
      <fname>David</fname>
      <lname>Beckham</lname>
```

```
</name>
<address>
  <city>Pune</city>
  <pincode>410615</pincode>
</address>
</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>Shubham</fname>
    <mname>S</mname>
    <lname>Chougule</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 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>Shubham</fname>
8     <mname>S</mname>
9     <lname>Chougule</lname>
10  </name>
11  <address>
12    <city>Kolhapur</city>
13    <pincode>410612</pincode>
14  </address>
15 </student>
16 <
   ✖ student>
```