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
      </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:

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

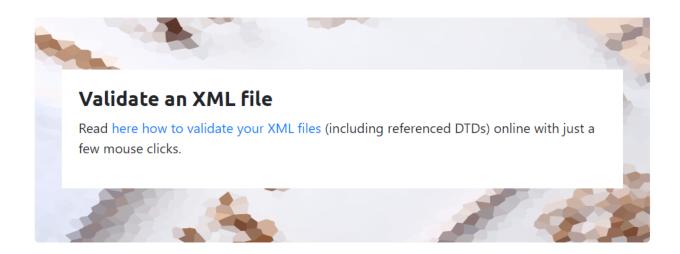
The file student.dtd is being referenced. Please copy it in here, so that the validation can continue:

```
<!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



No errors were found

The following files have been uploaded so far:

XML document:

student.dtd 6

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

Output: - (With error)

2 errors have been found!

Click on ${\color{red} \bullet } {\color{red} 0}$ to jump to the error. In the document, you can point at ${\color{red} 0}$ with your mouse to see the error message.

Errors in the XML document:

- ■3 4: 10 Document root element "student", must match DOCTYPE root "students".
- **20** 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>