<?xml version="1.0"?>

<!DOCTYPE students[

<!ELEMENT students (student+)>

<!ELEMENT student (name,address?,phone\*,email)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT address (#PCDATA)>

<!ELEMENT phone (#PCDATA)>

<!ELEMENT email (#PCDATA)>

]>

<students>

<student>

<name>Ram Thapa</name>

<address>Kathmandu</address>

<phone>234234</phone>

<phone>45645645</phone>

<email>ram@gmail.com</email>

</student>

<student>

<name>sita Thapa </name>

<email>ram@gmail.com</email>

</student>

</students>

2. ​​

<?xml version="1.0"?>

<!DOCTYPE note [

<!ELEMENT note (to,from,header,(message|body))>

<!ELEMENT to (#PCDATA)>

<!ELEMENT from (#PCDATA)>

<!ELEMENT header (#PCDATA)>

<!ELEMENT message (#PCDATA)>

<!ELEMENT body (#PCDATA)>

]>

<note>

<to>Ram Thapa</to>

<from>Shyam Singh</from>

<header>appointment letter</header>

<body>hello you are appointed</body>

</note>

3. validate the following xml document using internal DTD

<CATALOG>

<CD>

<TITLE>Empire Burlesque</TITLE>

<ARTIST>Bob Dylan</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>Columbia</COMPANY>

<PRICE>10.90</PRICE>

<YEAR>1985</YEAR>

</CD>

<CD>

<TITLE>Hide your heart</TITLE>

<ARTIST>Bonnie Tyler</ARTIST>

<ARTIST>Gary Moore</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>CBS Records</COMPANY>

<PRICE>9.90</PRICE>

<YEAR>1988</YEAR>

</CD>

<CD>

<TITLE>Greatest Hits</TITLE>

<ARTIST>Dolly Parton</ARTIST>

<COUNTRY>USA</COUNTRY>

<COMPANY>RCA</COMPANY>

<PRICE>9.90</PRICE>

<YEAR>1982</YEAR>

</CD>

<CD>

<TITLE>Still got the blues</TITLE>

<ARTIST>Gary Moore</ARTIST>

<COUNTRY>UK</COUNTRY>

<COMPANY>Virgin records</COMPANY>

<PRICE>10.20</PRICE>

</CD>