

Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, Name of the College, Branch, Year of Joining, and e-mail id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document.

```
<?xml version="1.0" encoding="utf-8"?>

<!DOCTYPE student[

<!ELEMENT student_information (ad+)>

<!ELEMENT ad (usn,name,collegename,branch,year,email)>

<!ELEMENT usn (#PCDATA)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT collegename (#PCDATA)>

<!ELEMENT branch (#PCDATA)>
<!ELEMENT year (#PCDATA)>

<!ELEMENT email (#PCDATA)>

]>

<?xml-stylesheet type="text/css" href="4a.css"?>

<student_information>

<h3>student_information</h3>

<h2>student 1</h2>

<ad><label> usn:<usn> 4bd06499

</usn></label></ad> <ad><label>Name:<name>

ABC </name></label></ad>

<ad><label>College Name:<college> BIET,DVg

</college></label></ad> <ad><label>Branch:<branch> CSE

</branch></label></ad> <ad><label>Year of Joining:<year> 2007

</year></label></ad> <ad><label>Email -id:<email> abc@gmail.com

</email></label></ad> <h2>student 2</h2>

<ad><label> usn:<usn> 4bd06500 </usn></label></ad>

<ad><label>Name:<name> XYZ </name></label></ad>
```

```

<ad><label>College Name:<college> BIET,DVg
</college></label></ad> <ad><label>Branch:<branch> CSE
</branch></label></ad> <ad><label>Year of Joining:<year> 2007
</year></label></ad> <ad><label>Email -id:<email> xyz@gmail.com
</email></label></ad> <h2>student 3</h2>

<ad><label> usn:<usn> 4bd06501
</usn></label></ad> <ad><label>Name:<name>
PQR </name></label></ad>

<ad><label>College Name:<college> BIET,DVg
</college></label></ad> <ad><label>Branch:<branch> CSE
</branch></label></ad> <ad><label>Year of Joining:<year> 2007
</year></label></ad> <ad><label>Email -id:<email> pqr@gmail.com
</email></label></ad>

</student_information>

```

#### 4a.css

```

ad {display:block; margin-top:15px; color:blue; font-size:13pt; } usn
{color:red; font-size:12pt; margin-left:15px; }

name { color:red; font-size:12pt;margin-left:15px; }
college { color:red; font-size:12pt; margin-left:15px; }
branch { color:red; font-size:12pt; margin-left:15px; }
year { color:red; font-size:12pt; margin-left:15px; }
email { color:red; font-size:12pt; margin-left:15px; }
h3 { color:red; font-size:18pt; }
h2 { display:block; color:black; font-size:18pt; }

```

b) Create an XSLT style sheet for one student element of the above document and use it to create a display of that element.

```
<?xml version = "1.0"?>

<?xml-stylesheet type = "text/xsl" href = "4b.xsl" ?>

<VTU>

    <usn> 1DB07MCA98 </usn>

    <name> Prakash S </name>

    <college> DBIT </college>

    <branch> CSE</branch>

    <YOJ> 2009 </YOJ>

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

</VTU>
```

#### 4b.xsl

```
<?xml version = "1.0"?>
<xsl:stylesheet version = "1.0"

    xmlns:xsl =

        "http://www.w3.org/1999/XSL/Transform" xmlns =

        "http://www.w3.org/1999/xhtml">

<xsl:template match = "VTU">

    <html><head><title> Style sheet for 5b.xml </title>

    </head><body>

    <h2> VTU Student Description </h2>

    <span style = "font-style: italic; color: blue;"> USN:

    </span>

    <xsl:value-of select = "usn" /> <br />
```

<span style = "font-style: italic; color: blue;"> Name:

</span>

<xsl:value-of select = "name" /> <br />

<span style = "font-style: italic; color: blue;"> College:

</span>

<xsl:value-of select = "college" /> <br />

<span style = "font-style: italic; color: blue;"> Branch:

</span>

<xsl:value-of select = "branch" /> <br />

<span style = "font-style: italic; color: blue;"> Year of Join:

</span>

<xsl:value-of select = "YOJ" /> <br />

<span style = "font-style: italic; color: blue;"> E-Mail:

</span>

<xsl:value-of select = "email" /> <br />

</body></html>

</xsl:template>

</xsl:stylesheet>