Experiment 4

Aim:

a) 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, Brach, 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.

b) Create an XSLT style sheet for one student element of the above

CSS:

```css
student {
    border: 1px solid black;
    display: block;
    color: blue;
}
```

Code 1: 4a.css

XML:

```xml
<?xml version="1.0" encoding="utf-8" ?>
<?xml-stylesheet type="text/css" href="4a.css"?>

<student-information>
    <student>
        <usn>1BG11CS027</usn>
        <Name>Chirag Ravindra</Name>
        <N-college>BNMIT</N-college>
        <year>2011</year>
        <branch>CSE</branch>
        <email>abc@xyz.com</email>
    </student>

    <student>
        <usn>1BG11CS031</usn>
        <Name>Drithi H Deepak</Name>
        <N-college>BNMIT</N-college>
        <year>2011</year>
        <branch>CSE</branch>
        <email>def@xyz.com</email>
    </student>
    <student>
        <usn>1BG11CS051</usn>
        <Name>Akshaykumar.S.Mashalkar</Name>
        <N-college>BNMIT</N-college>
        <year>2011</year>
        <branch>CSE</branch>
        <email>ghi@xyz.com</email>
    </student>
    <student>
        <usn>1BG11CS001</usn>
        <Name>Aastha Deepak</Name>
        <N-college>BNMIT</N-college>
        <year>2011</year>
        <branch>CSE</branch>
        <email>jkl@xyz.com</email>
    </student>
</student-information>
```
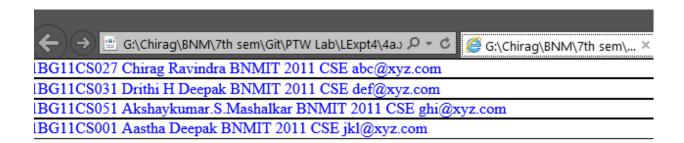
Code 2: 4a.xml

Output:


```
1BG11CS027 Chirag Ravindra BNMIT 2011 CSE abc@xyz.com
1BG11CS031 Drithi H Deepak BNMIT 2011 CSE def@xyz.com
1BG11CS051 Akshaykumar.S.Mashalkar BNMIT 2011 CSE ghi@xyz.com
1BG11CS001 Aastha Deepak BNMIT 2011 CSE jkl@xyz.com
```

XML:

```xml
<?xml version="1.0" encoding="utf-8" ?>
<?xml-stylesheet type="text/xsl" href="4b.xsl"?>

<student-information>
      <student>
            <student>
            <usn>1BG11CS027</usn>
            <Name>Chirag Ravindra</Name>
            <N-college>BNMIT</N-college>
            <year>2011</year>
            <branch>CSE</branch>
            <email>abc@xyz.com</email>
      </student>

</student-information>
```

Code 3 : 4b.xml

Experiment 4   Chirag Ravindra   1BG11CS027

XSL:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns="http://www.w3.org/1999/xhtml">
<xsl:template match="student">
<html>
<body>
<div style="color:blue; font-size: 35pt; display: block;">
      <xsl:value-of select="usn"/><br/>
      <xsl:value-of select="Name"/><br/>
      <xsl:value-of select="N-college"/><br/>
      <xsl:value-of select="year"/><br/>
      <xsl:value-of select="branch"/><br/>
      <xsl:value-of select="email"/>
</div>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

Code 4: 4b.xsl

Output:

1BG11CS027 Chirag Ravindra BNMIT 2011 CSE abc@xyz.com