



CSIT884 Web Development

Week 9 Exercise – CSS+JS & XSLT

Please submit the **zip file containing the source code files** to the entry named “Week 9 Exercise – CSS+JS & XSLT” on Moodle before **19:00 Sunday, Week 9**.

Q1. On the webpage, use H1 tag to display a heading **"Joint Institute"** (with quotation marks) and three buttons: "Green", "Orange" and "Blue".



- When the "Green" button is clicked, change the color of the heading to green.
- When the "Orange" button is clicked, change the color of the heading to orange.
- When the "Blue" button is clicked, change the color of the heading to blue.

Q2. Given the following XML code containing an exam result:

```
<?xml version="1.0"?>
<result ref="10007629P">
  <contestantId>00025142</contestantId>
  <examId>KB253DG</examId>
  <score>156</score>
  <band>C</band>
  <digitalSignature>a720cf8e23bc1256bce2</digitalSignature>
</result>
```

Write the XML code into the file **question2.xml** and use the stylesheet **question2.xsl** to produce the following output:

Exam result

Reference number: 10007629P
Exam number: KB253DG
Contestant number: 00025142
Digital signature: a720cf8e23bc1256bce2
Score: 156
Band: C

Q3. Similar to question 2, write the XML code into the file `question3.xml` and use the stylesheet `question3.xsl` to produce the following output:

Exam result

Reference number	10007629P
Exam number	KB253DG
Contestant number	00025142
Digital signature	a720cf8e23bc1256bce2
Score	156
Band	C

Q4. Given the following XML code containing subject enrolment statistics:

```
<?xml version="1.0"?>
<audit campus="Woolloomooloo" year="2000" session="A">

  <subject sid="0769642">
    <code>MATH101</code>
    <title>Calculus</title>
    <statistics>
      <enrol>170</enrol>
      <withdrawn>31</withdrawn>
    </statistics>
  </subject>
</audit>
```

```

    </statistics>
  </subject>

  <subject sid="1734231">
    <code>MATH234</code>
    <title>Abstract Algebra</title>
    <statistics>
      <enrol>40</enrol>
      <withdrawn>15</withdrawn>
    </statistics>
  </subject>

</audit>

```

Write the XML code into the file `question4.xml` and add a few more subject data. Use the stylesheet `question4.xsl` to produce the following output:

Enrolment statistics

Campus: Woolloomooloo

Year: 2000

Session: A

ID	Subject	Enrol	Withdrawn
0769642	MATH101: Calculus	170	31
1734231	MATH234: Abstract Algebra	40	15
3423171	MATH222: Analysis	50	10
2317134	MATH241: Algebraic Number Theory	30	2
2133174	MATH287: Complex Analysis	60	20