**Job Interview XSLT Task**

1. Introduction

Please complete the following task to show your familiarity with XML and XSLT.

There are three input files (input1.xml, input2.xml and input3.xml). These are three individual steps of the same XSLT example to transform Roman numbers to Arabic numbers and vice-versa.

1. Getting started

For transforming an .xml file via xslt, you can use the included saxon9he.jar.

1. XML File and Task Description

The input files contain a list of <calc> Elements. Each <calc> Element is allowed to contain <roman> and <arab> elements. These elements should always contain the same number, but written in Roman or Arabic style.

Input1.xml requires you to transform the Roman number to the correct Arabic one and put both into the resulting XML file.

Input2.xml requires you to transform the Arabic number to the correct Roman one and put both into the resulting XML file.

Input3.xml requires you combine the above two and transform, whichever element is present to the respective other one.

**Note**: It is sufficient if the XSLT can handle numbers up to 3xxx. So the highest required letter from the Roman numbers will be ‘M’.

**Nice to have**: detecting invalid Roman numbers and writing a Log-Message.

1. Result

Your result should contain:

* 3 stylesheet.xsl to solve the individual exercises