

Lab Programming Exercise

Initial Setup: Create a directory to store the code of this lab exercise. Follow the instructions below to start a web server at the newly created directory.

Running web server on **Mac** using command:

```
python3 -m http.server [port-number] -d [web-directory]
```

For example, to run on port 50000 and directory /Users/jsmith/Desktop/myweb

```
python3 -m http.server 50000 -d "/Users/jsmith/Desktop/myweb"
```

The website will be at the address: <http://localhost:50000/>

Running web server on **Windows** using command:

```
python -m http.server [port-number] -d [web-directory]
```

For example, to run on port 8000 and directory "C:\Users\jsmith\Desktop\my web"

```
python -m http.server 8000 -d "C:\Users\jsmith\Desktop\my web"
```

The website will be at the address: <http://localhost:8000/>

Here is a sample of XML code with stylesheet:

```
<?xml version="1.0" ?>
<?xml-stylesheet type="text/xsl" href="FILE-NAME-HERE.xsl"?>
...XML code here...
```

Here is a sample of XSLT code:

```
<?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:output method="xml" indent="yes" encoding="UTF-8"/>

  <xsl:template match="/PUT-THE-ROOT-ELEMENT-HERE">

    <html>
      <head>
        <title>XSLT example</title>
      </head>

      <body>
        HELLO WORLD
      </body>
    </html>

  </xsl:template>
</xsl:stylesheet>
```