

# XML Processing

## Overview

In this lab, you'll get the opportunity to experiment and explore the capabilities of the ElementTree XML API.

## Source folders

Student folder :       C:\PythonDev\Student\08-XML

Solution folder:       C:\PythonDev\Solutions\08-XML

## Roadmap

In the *Student* folder, there's a file named `Macbeth.xml`. Open this file in a browser. The file is the entire transcript for the play – very interesting, although it does bring back some rather unhappy memories of English Literature lessons in school.

Spend a few moments digesting the structure and content of the document, and then write a Python program to process the data. Part of the challenge of this lab is for you to decide what kinds of operations you'd like to perform on the data.

Here are some suggestions:

- The title of the play, i.e. the first title in the document.
- Get all the personae.
- Get the titles for all the scenes.
- Find all the lines of speech by Duncan (note that his name is DUNCAN in the doc).
- Etc.

Remember you can get full documentation online here:

- <https://docs.python.org/3.8/library/xml.etree.elementtree.html>