

## 8. XPath (2)

**Hint:** Run your XPath queries in Eclipse in the XML perspective, using the XPath view. To open that view, go to

Window --> Show View --> XPath

If you do not see XPath as one of the options under Show View, go to Other . . . and open the XML folder, where you find an XPath Symbol to choose.

### Courses

Open the `courses-ID.xml` file in Eclipse.<sup>1</sup> Write XPath expressions that return answers to queries below.<sup>2</sup> The queries train, among other things, the use of `ids` and `idrefs`.

1. Which course has the lowest enrollment? Note: There are some courses without enrollment figures.
2. Return the titles of the courses taught by Prof. Aiken.
3. Return the titles of courses taught by instructors from the department of Linguistics.
4. Which courses have prerequisite courses that are taught at another department than the course itself?
5. Which courses are taught by an instructor who also teaches one of the courses prerequisites?
6. Which courses have a lower enrollment than any of their prerequisites?
7. Which courses are taught by a lecturer?
8. Which instructors (i.e., professors or lecturers) do not have a middle initial?

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<sup>1</sup>The data are taken, with slight modification of the ID's, from the website of the online course "Introduction to Databases" by Jennifer Widom at <http://openclassroom.stanford.edu>.

<sup>2</sup>The queries are original.