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INFO-H-509 : XML AND WEB TECHNOLOGIES

Project 3 : XQuery

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1.1 Presentation

As part of the course INFO-H-509: XML and Web Technologies, we were asked to write Xquery programs for three specific queries agaisnt the DBLP database used in the previous project.

1.2 Hypotheses

- We were not convinced about the definition of "co-authors" in the previous project where it also included editor as well. Indeed, an author is the one who creates contents and an editor is the one who edits it. Since it was not specified in this project, we did not take into account the editor field for the "co-authors" concept.
- Regarding the second query, we assumed that an article of proceeding is an inproceeding. Each proceeding has a title and we matched this title with the booktitle of all the inproceedings. The inproceeding titles appear below the title of their respective proceeding.
- This is not much of an hypothese, but for the output of the third query, we do not show duplicate. Meaning that if we have a pair of authors where $author1 = A$ and $author2 = B$, we will not also show the distance for $author1 = B$ and $author2 = A$.

1.3 Conclusion

This project reminded us of SQL with a mix of XSLT because we can create another file however we want with the parsed information. There is not much to say except that, in our opinion, the harder query was the third one because of the recursivity.