

Web Data and Declarative Programming

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Abstract

In this conference we investigate how to integrate the XQuery language and logic programming. With this aim, we represent XML documents by means of a logic program. This logic program represents the document schema by means of rules and the document itself by means of facts. Now, XQuery expressions can be integrated into logic programming by considering a translation from for-let-where-return expressions into logic rules and a goal.

On the other hand we show how to use logic programming (in particular, Prolog) as query language against OWL resources. Our query language will be able to retrieve data and meta-data about a given OWL based ontology.