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In a paragraph or two, describe another input-to-output translation that Lex could be used for. What domain specific concerns need to be addressed? Can Lex handle them, and if so, how?

Solution

A simple input-to-output translation task that Lex could be used for is converting XML to JSON. Both JSON and XML are regular languages with a direct mapping between them, used to represent many forms of data. Domain specific problems would be the fact that in both XML and JSON users can specify custom tags. This could make the transfer between the two data representations more tricky.

Lex should be able to handle this though. Everything in JSON and XML can be captured using regular expressions, so it should pose no problem.