

**Attempto Controlled English  
Language, Tools and Applications**

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**Exercises 1**

Please do the following assignments in the given order. Ask if you are stuck.

*Assignment 1*

Go to the Tools section of [www.ifi.unizh.ch/attempto](http://www.ifi.unizh.ch/attempto) and open the APE Webinterface. Alternatively, go to [attempto.ifi.unizh.ch/ape](http://attempto.ifi.unizh.ch/ape).

*Assignment 2*

Read the help file and have a look at the menu.

*Assignment 3*

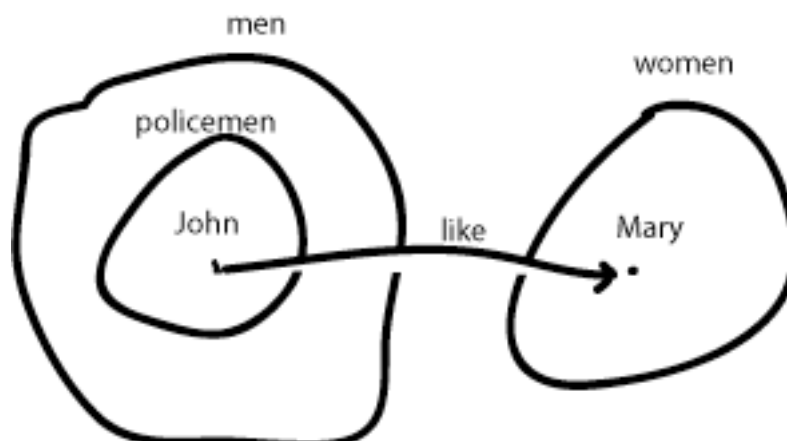
Enter and parse the example sentences from the slides using various menu settings. Check the output generated.

*Assignment 4*

Try the example sentences provided on the web page and those from today's lecture.

*Assignment 5*

Express the following diagram in ACE. Try also to express that something is not the case.



### *Assignment 6*

Try to paraphrase the following text in ACE and submit it to the parser. If words are not found in the common lexicon prefix them with n: (for nouns) v: (for verbs), and a: (for adjectives and adverbs). Hyphenate multiwords and phrasal and prepositional verbs.

Attempto Controlled English (ACE) is a language specifically designed to write specifications. ACE is a controlled natural language, i.e. a subset of English with a domain specific vocabulary and a restricted grammar in the form of a small set of construction and interpretation rules. This means that all ACE sentences are correct English, but that not all English sentences are allowed in ACE. The restriction of full natural language to a controlled subset is essential for ACE to be suitable for knowledge representation purposes.