Purpose

This program set out to be able to correct a wrongly conjugated verb. In order to do this, it would check if a certain input string is a correctly spelt verb, and if it not, find its correct form.

Method

Texts written by SFI students were revised to retrieve all the wrongly conjugated verbs, and from there make out which the most common mistakes were. The algorithms of the program were built based on these mistakes and the patterns that were found in them.

How to use

The program takes as input a text file that contains a string on every line. It takes no direct user input. There are no arguments or parameters that can be adjusted from user level, it is all in the code. The name of text file has been hard coded into main.py, so in order to change the input words, one needs to change that text file (Indata_klar.txt), maintaining always the one-word-per-line structure. The verb list and the dictionary on which the program makes its check-ups can also only be adjusted in the text files (verben.txt and Swe.dict.txt respectively), but are not supposed to be.

The output is not the corrected forms of all the verbs, but the accuracy rate, together with the number of cases that were right according the their complexity level (from easy to hard, from 0 to 7).

Dependencies

The only requirement is Python 3.4.

Maker

It was all done by me, Simon Dahlberg (simondahlberg@hotmail.com), Computational Linguistics Student at Stockholms University.