

Task A

Please go through this code

<https://github.com/mfaruqui/retrofitting/blob/master/retrofit.py> that implements the paper

<https://homes.cs.washington.edu/~nasmith/papers/faruqui+dodge+jauhar+dyer+hovy+smith.naacl15.pdf>

First, get the code working in your laptop (the code is written for Python 2.x, so porting to the 3.x may be required).

Modify the code so that an Indic language word embedding model is used and the synset relation from IndoWordNet is used as the semantic relation against which word vectors are retrofitted.

IndoWordNet python library: <https://github.com/cfiltnlp/pyiwn>

You can download and use any Indic language word vector model from Internet. Use Hindi, Tamil, or Malayalam embeddings .