

ReadMe

Software: Solr 7.1.x,

Hardware: core i7

Programming Language: Python

Operating System: MacOS

Setup and Installation:

- Solr: Solr is available from the Solr website at <http://lucene.apache.org/solr/>.
- For Linux/Unix/OSX systems, download the .tgz file.
- For Microsoft Windows systems, download the .zip file.
- When getting started, all you need to do is extract the Solr distribution archive to a directory of your choosing. When you're ready to setup Solr for a production environment.
- Create cores on solr named task1, task2, task3 and user_input before executing.

Pysolr:

Lightweight python wrapper for Apache Solr.

pysolr is a lightweight Python wrapper for [Apache Solr](#). It provides an interface that queries the server and returns results based on the query.

Features:

- Basic operations such as selecting, updating & deleting.
- Index optimization.
- “More Like This” support (if set up in Solr).
- Spelling correction (if set up in Solr).
- Timeout support.
- SolrCloud awareness

NLTK:

NLTK is a leading platform for building Python programs to work with human language data. It provides easy-to-use interfaces to over 50 corpora and lexical resources such as WordNet, along with a suite of text processing libraries for classification, tokenization, stemming, tagging, parsing, and semantic reasoning, wrappers for industrial-strength NLP libraries, and an active discussion forum.

Running Debugging the application:

Pycharm IDE :

Debugging, Testing and Profiling

Used the powerful debugger with a graphical UI for Python. Create and run your tests with coding assistance and a GUI-based test runner. Take full control of your code with Python Profiler integration.