**USER GUIDE**

**PREREQUISITES:**

Install all the necessary libraries

Nlp: <https://pypi.org/project/NLP-python/>

* pip install nlp-python

Spacy: <https://pypi.org/project/spacy/>

* pip install spacy

Spacy English language support: https://spacy.io/usage/models

* python -m spacy download en\_core\_web\_md

There are two python script files one with **.ipynb** and another with **.py** extension.

**Jupyter Notebook**

The **.ipynb** file runs on **jupyter** **notebook** which can be installed using pip.

* pip install jupyter notebook

Or using VS code extension of jupyter notebook in VS code.

VS code download: <https://code.visualstudio.com/Download>

Jupyter Notebook in VS Code: <https://code.visualstudio.com/docs/datascience/jupyter-notebooks>

**Python**

The **.py** file can be run on windows terminal or any python supported software.

To run python file the latest version of python needs to be installed on the computer.

https://www.python.org/downloads/

Running python file: **python filename.py**

**Approach**

Finding the similarity between text and three ideal answers using spacy.

* I have created one “**text**” file and similarly created three answers file with their name as “**ans1**”, “**ans2**”, “**ans3**”.
* The text file contains the original text on which we have to test.
* The answer file contains the similar text with some modification to certain words.
* The **text** **file** is stored in a variable “**org\_text**” and each answer text file is stored as

1. **ans1\_text- ans1**
2. **ans2\_text- ans2**
3. **ans3\_text- ans3**

* The text file is tested with all the ideal answer file to check the similarity.
* I have used “**en\_core\_web\_md**” language from **spacy** to check the similarity of the sentences.