

# Assignment 3 (Boolean Retrieval)

**Title:** Assignment 3 (Boolean Retrieval)

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## Dependencies:

Python 3.7 (<https://www.python.org/downloads/>)

NLTK 3.4 (<https://www.nltk.org/>)

Flask 1.0.2 (<http://flask.pocoo.org/>)

Bootstrap 4.3 (<https://getbootstrap.com/>)

PyCharm ([https://www.jetbrains.com/pycharm/download/](https://www.jetbrains.com/pycharm/download/#section=mac)

#section=mac)

MacOS 10.14 (<https://www.apple.com/mac/>)

## Build Instructions:

```
$ pip install -U Flask
```

```
$ pip install -U nltk
```

## Run Instructions:

To start the application:

```
>>> python boolean_query.py
```

To terminate the application, use control-c

To use the application within a browser, use the url: <http://127.0.0.1:5000/>

**Modules:** NLTK, Flask

**Stemmer:** SnowballStemmer from NLTK

**Folders:** shelve folder stores shelve files and temp json file, corpus folder stores films corpus json file and test corpus json file

**Testing:** Tested by searching manually.

**Query examples:** good day, king of sweden, hello, hello world xxx, xxx dsarwe cfrfwe, and blank