

# Text Ranking report

## Intro:

The script is made in python and don't use external library.

I use the tf and idf method with vector space model to extract a result from my file

How to use it:

For use this script, you must install python3 and to do this:

```
./text_ranking file_name.txt file_name2.txt query_string
```

## Output example:

Result for the query "passed atack":

```
0.0013272838921023072 --> test/star_wars_a_new_hope.txt
0.0 --> test/star_wars_attack_of_the_clones.txt
0.0013822708171033686 --> test/star_wars_phantom_menace.txt
0.0 --> test/star_wars_return_of_the_jedi.txt
0.00744302729933363 --> test/lord_of_the_rings_the_two_towers.txt
0.006338468310871319 --> test/lord_of_the_rings_return_of_the_king.txt
```

Result for the query "obi wan":

```
0.019594439725553345 --> test/star_wars_a_new_hope.txt
0.47137551083124263 --> test/star_wars_attack_of_the_clones.txt
0.1877370514445509 --> test/star_wars_phantom_menace.txt
0.007691336120433485 --> test/star_wars_return_of_the_jedi.txt
0.0 --> test/lord_of_the_rings_the_two_towers.txt
0.0 --> test/lord_of_the_rings_return_of_the_king.txt
```

Result for the query "king star":

```
0.09421007613339077 --> test/star_wars_a_new_hope.txt
0.00311128091981687 --> test/star_wars_attack_of_the_clones.txt
0.0013081736790060683 --> test/star_wars_phantom_menace.txt
0.07034407879751278 --> test/star_wars_return_of_the_jedi.txt
```

0.01956678074914249 --> test/lord\_of\_the\_rings\_the\_two\_towers.txt  
0.02899367980813937 --> test/lord\_of\_the\_rings\_return\_of\_the\_king.txt