

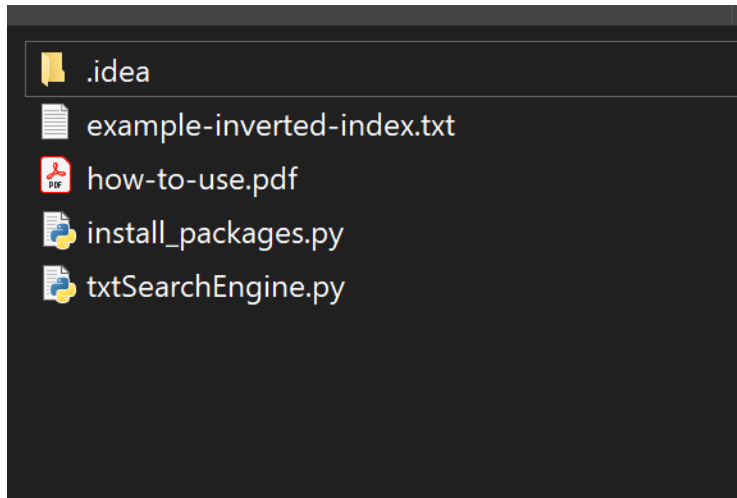
Installing

For install download zip of this repo OR use git clone

https://github.com/AndriyYankovenko/CW_parallel_computing.git in folder where you want.

Building

After installing repo unzip files.rar in folder with projects like on image below:



1. **If this is your first time running this program in a specific directory**, or if you have added new files in your directory, you're going to have to create a new index (Depending on the size of your path of choice, this may take some time):
 - First of all, you are going to have to set the **PATH variable to the path of your text files** like in the example below. Also, if you don't have the libraries nltk and PySimpleGUI installed, execute `install_packages.py` to quickly install them.
 - If you have already created an index, but you have updated your data in the PATH directory, delete the `example-inverted-index.txt` file in your program's directory, so the program will create a new one the next time it is executed.
 - If you want to, you can change the name of your index, just make sure it ends in `.txt` and keep in mind from now on the program will only save and load indexes with that given name.

```
18 PATH="C:/Users/andri/Desktop/курсаы/CourseWork/files/test/neg"
19 indexName="example-inverted-index.txt"
```

2. If an inverted index exists in the program's directory, once you execute the program, a UI will open where you will have the option to type various search questions. This program not only does it allow you to **search for**

specific terms and phrases, but you also have the ability to **execute various Boolean queries**.

3. If you want to execute a Boolean query, you have to strictly write it in this form: **“(a AND b) OR (b AND c AND d) OR e”** etc. Where a, b, c, d, e can either be a single term or a phrase. Any other attempt to execute a Boolean query will not work.
4. Execute your query and click one of the results that appear below to open the desired .txt file.