

Mini Search Engine

Sample input and outputs for queries.

This output shows the menu. It gives the error message when you enter incorrect choice.

```
firdevs@ideapad: ~/Desktop/datastructure/trie
File Edit View Search Terminal Help
(firo) firdevs@ideapad:~/Desktop/datastructure/trie$ python trie.py

-----
Choose one query:
1 : find prefix
2 : find common words
3 : exit
-----
4
INCORRECT CHOICE !!!

-----
Choose one query:
1 : find prefix
2 : find common words
3 : exit
-----
```

When you choose the 1st query, Program will want the path as input from user to make search text files in given path.

```
(firo) firdevs@ideapad:~/Desktop/datastructure/trie$ python trie.py

-----
Choose one query:
1 : find prefix
2 : find common words
3 : exit
-----
1
File path should be like below format:
ex: /home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
Enter file path : /home/firdevs/Desktop/datastructure/s
Path doesn't exist

File path should be like below format:
ex: /home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
Enter file path : /home/firdevs/Desktop/tez/101_ObjectCategories
There is no files to add trie!!!!

File path should be like below format:
ex: /home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
Enter file path : /home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
Enter the prefix : in
> file1.txt -----> 5 times
> file8.txt -----> 5 times
> file7.txt -----> 3 times
> file9.txt -----> 5 times
> file2.txt -----> 5 times
> file10.txt -----> 5 times
> file5.txt -----> 38 times
> file4.txt -----> 3 times
> file6.txt -----> 3 times
> file3.txt -----> 5 times
```

Wrong path usage example

If there are no text files in given path.

if all conditions are true then program will want the prefix from user.

Then it shows the prefix that is desired in which file and how many times occurrences.

If user choose the 2nd query, program shows common words between all files that are in given path. This example shows the project sample text files' results. 2nd query also makes same error check as 1st query makes, for given path.

```
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File Edit View Search Terminal Help
(firo) firdevs@ideapad:~/Desktop/datastructure/trie$ python trie.py
-----
Choose one query:
1 : find prefix
2 : find common words
3 : exit
-----
2
File path should be like below format:
ex :/home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
Enter file path : /home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
-----
IN GIVEN FILES, COMMON WORDS ARE :
{'in'}
-----
```

If there is no common word between this files, program shows error message. And user chooses 3rd choice program will be end.

```
firdevs@ideapad: ~/Desktop/
File Edit View Search Terminal Help
(firo) firdevs@ideapad:~/Desktop/datastructure/trie$ python trie.py
-----
Choose one query:
1 : find prefix
2 : find common words
3 : exit
-----
2
File path should be like below format:
ex :/home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
Enter file path : /home/firdevs/Desktop/datastructure/trie/sampleTextFiles/
-----
No common words!!!

-----
Choose one query:
1 : find prefix
2 : find common words
3 : exit
-----
3
PROGRAM IS END, BYE :)
(firo) firdevs@ideapad:~/Desktop/datastructure/trie$
```

