

In this assignment you are to write a Python program to implement comparisons functionality for trie user defined data structure and use it for spell-check an input file.

You are provided with the template in which you must:

- (1) comment the code thoroughly;**
- (2) implement comparisons function in trie data structure;**
- (3) use dictionary stored in trie data structure to find misspelled words in a given input file.**

Your program must:

- take a dictionary file and a file to be spell-checked as command line arguments,
- store words form dictionary into a trie structure,
- **spell-check the input text (1) using trie structure,** and
- **output misspelled words (2).**

Following is the output of the program run applied on a provided test file:

```
>python trie.py dict.txt test.txt
```

```
Misspelled words:
```

```
  difinition
  advansed
  strutcures
  grahps
  efective
  strutcures
  algoritms
  complexty
```

Together with your source code include a separate file *Namingformat.py* with your **information** as the **values** of the following variables:

```
myName = 'first_name last_name'
myTechID = '0000000'
myTechEmail = 'abc123' #only your email id omit @latech.edu
```

You must properly cite the sources if you use **any help** from peers or **any code/ideas** from online resources. **Failure to do so will be treated as a plagiarism.** Properly citing the sources should be done as a **comment** in your code. Some examples:

```
# found this code at: <source url>
# used idea from: <source url>
# <peer name> helped me with this part
```