

Streams

Assignment: Thesaurus

Given a set of text files containing synonyms for different words, complete the program to output the synonyms for a specific word. Each text file contains synonyms for the word specified in the file’s name, and each row within the file lists the word’s synonyms that begin with the same letter, separated by a space.

The program should read a word and a letter from the user and open the text file associated with the input word. The program then should output all the synonyms that begin with the input letter, one synonym per line. If no synonyms that begin with the input letter are found, the program should output a message indicating so.

Ex: If the input of the program is:

```
In [ ]: educate c
```

the program opens the file educate.txt, which contains:

```
In [ ]: brainwash brief
civilize coach cultivate
develop discipline drill
edify enlighten exercise explain
foster
improve indoctrinate inform instruct
mature
nurture
rear
school
train tutor
```

Ex: If the input of the program is:

```
In [ ]: educate a
```

then the program outputs:

```
In [ ]: No synonyms for educate begin with a.
```

```
main.cpp
1 #include <iostream>
2 #include <fstream>
3 using namespace std;
4
5 int main() {
6
7     /* Type your code here. */
8
9     return 0;
10 }
11 |
```

Assignment Tests:

Apply the following 6 tests.

<div><div>1. Compare output (2 points)</div><div>When input is</div><div>educate c</div><div>Standard output exactly matches</div><div>civilize coach cultivate</div></div>	<div><div>4. Compare output (2 points)</div><div>When input is</div><div>happy s</div><div>Standard output exactly matches</div><div>No synonyms for happy begin with s.</div></div>
<div><div>2. Compare output (2 points)</div><div>When input is</div><div>educate a</div><div>Standard output exactly matches</div><div>No synonyms for educate begin with a.</div></div>	<div><div>5. Compare output (1 point)</div><div>When input is</div><div>goal o</div><div>Standard output exactly matches</div><div>objective</div></div>
<div><div>3. Compare output (2 points)</div><div>When input is</div><div>happy j</div><div>Standard output exactly matches</div><div>joyful joyous jubilant</div></div>	<div><div>6. Compare output (1 point)</div><div>When input is</div><div>goal t</div><div>Standard output exactly matches</div><div>No synonyms for goal begin with t.</div></div>

Submissions

Note: Do not forget to submit the assignment and its corresponding test outputs to receive full credit.

- 1 - Name your C++ files FirstName_Lastname_Thesaurus.cpp.
- 2 - Prepare your report in docx or pdf format and name it Firstname_Lastname.docx or Firstname_Lastname.pdf.
- 3 - Add the screenshot of your code to the report and provide a description for it. All tests should be performed and the result screenshot be included in the report.

Note: Make sure to have your report containing both explanatnations and screenshots.

```
In [ ]:
```