Assignment 1

Lab Explanation

The requirements for this assignment were to create a program that would return words based on a desired user file and character input.

Code

```
C++ Kieran_Llarena_Thesaurus.cpp Lab9 1 X
C++ Kieran_Llarena_Thesaurus.cpp > ...
      using std::ifstream, std::cout, std::cin, std::string;
       ifstream inFS;
        string fileName;
string fileString;
         if (!inFS.is_open()) {
         cout << "Could not open file." << '\n';</pre>
           cout << "Input failure before reaching end of file." << '\n';</pre>
          cout << "No synonyms for " << fileName << " begin with " << desiredChar << '.' << '\n';
          return 0:
```

My code first opens the file and then iterates through each word in the file. It will then ONLY output the words that start with the desired character, which is inputted from the user

Test 1

• Kierans-MacBook-Air:output kllarena\$./"Kieran_Llarena_Thesaurus" educate c civilize coach cultivate

Test 2

 Kierans-MacBook-Air:output kllarena\$./"Kieran_Llarena_Thesaurus" educate a No synonyms for educate begin with a.

Test 3

• Kierans-MacBook-Air:output kllarena\$./"Kieran_Llarena_Thesaurus" happy j joyful jovial joyous jubilant

Test 4

Kierans-MacBook-Air:output kllarena\$./"Kieran_Llarena_Thesaurus"
 happy s
 No synonyms for happy begin with s.

Test 5

./"kleran_Llarena_Inesaurus"

Kierans-MacBook-Air:output kllarena\$./"Kieran_Llarena_Thesaurus" goal o objective

Test 6

Kierans-MacBook-Air:output kllarena\$./"Kieran_Llarena_Thesaurus" goal t
 No synonyms for goal begin with t.