

```
#include <iostream>
#include <string>
#include <fstream>
using namespace std;

int main() {

    ifstream Infile;
    ofstream OutFile;
    bool inWord = false;

    string text, yaimak;

    cout << "Enter file name (.txt) : ";
    getline(cin, yaimak);

    int wordCount = 0, sentenceCount = 0;

    // สร้างไฟล์ที่มีข้อความลงไป
    OutFile.open(yaimak.c_str());
    cout << "Enter a paragraph: ";
    getline(cin, text);
    OutFile << text;
    cout << endl;
    OutFile.close(); //เปิดแล้วต้องปิด

    Infile.open(yaimak.c_str()); // เปิดไฟล์เพื่ออ่านข้อมูล

    char c;
    while (Infile.get(c)) { // ฟังก์ชัน get(c) คือการนับทีละตัวในไฟล์แล้วคืนค่า
true false

        if (isspace(c)) {
            if (inWord) {
                wordCount++;
                inWord = false;
            }
        }
    }
```

```

} else {
    inWord = true;
}

// นับประโยค
if (c == '.' || c == '?' || c == '!') {
    sentenceCount++;
}

}

if (inWord) {
    wordCount++;
}

Infile.close();

cout << "Number of words: " << wordCount << endl;
cout << "Number of sentences: " << sentenceCount <<
endl;
}

```

Enter file name (.txt) : Uread.txt

Enter a paragraph: Hi my name is Thanaphon.I'm 21 year olds!

Number of words: 8

Number of sentences: 2

The screenshot shows the VS Code editor with a file named `Uread.txt` open. The file contains the following text:

```
1 Hi my name is Thanaphon.I'm 21 year olds!
```

The file explorer on the left shows the project structure, with `Uread.txt` selected. The terminal at the bottom shows the output of a C++ program:

```
Number of words: 6
Number of sentences: 2
PS D:\KMUTNB\term1\Structure_program\LAB\homework\week14> cd "d:\KMUTNB\term1\Structure_program\LAB\homework\week14"; if ($?) { g++ tempCodeRunnerFile.cpp -o tempCodeRunnerFile.exe ; if ($?) { .\tempCodeRunnerFile.exe }
Enter file name (.txt) : Uread.txt
Enter a paragraph: Hi my name is Thanaphon.I'm 21 year olds!

Number of words: 8
Number of sentences: 2
PS D:\KMUTNB\term1\Structure_program\LAB\homework\week14>
```

The screenshot shows the VS Code editor with a file named `myphone.txt` open. The file contains the following text:

```
46
47 if (inWord) {
48     wordCount++;
49 }
50
51 Infile.close();
```

The file explorer on the left shows the project structure, with `myphone.txt` selected. The terminal at the bottom shows the output of a C++ program:

```
Number of words: 8
Number of sentences: 2
PS D:\KMUTNB\term1\Structure_program\LAB\homework\week14> cd "d:\KMUTNB\term1\Structure_program\LAB\homework\week14"; if ($?) { g++ q2.cpp -o q2.exe ; if ($?) { .\q2.exe } }
Enter file name (.txt) : myphone.txt
Enter a paragraph: 0625234030 is my phone number.

Number of words: 5
Number of sentences: 1
PS D:\KMUTNB\term1\Structure_program\LAB\homework\week14>
```