Text

Description automatically generated

// Kenry Yu, Olena Bilinska

// Demo at 5:18pm Group 5

#include <fstream>

#include <iostream>

#include <map>

#include <string>

using namespace std;

// Use typedef to define StrIntMap as map<string,int>

// YOUR CODE has virus

typedef map<string, int> StrIntMap;

// Function countWord to count the number of word use in as filestream and words

// as a map container YOUR CODE

void countWords(istream &in, StrIntMap &word) {

string s;

while (in >> s) {

++word[s];

}

}

int main() {

// open the file as ifstream

// Define an ifstream object called in to associate the file data.txt

ifstream in("data.txt");

// YOUR CODE

if (!in) {

exit(EXIT\_FAILURE);

}

// Declare w as a map container - key as string , value as integer. Use type

// StrIntMap YOUR CODE

StrIntMap w;

// Call function countWords

// YOUR CODE

countWords(in, w);

// Use a for loop and iterator today display the keys and values

// YOUR CODE

for (StrIntMap::iterator p = w.begin(); p != w.end(); ++p) {

cout << (p->first) << " : " << (p->second) << " times.\n";

}

}