Exercise two.

#include <iostream>

#include <fstream>

#include <cctype>

using namespace std;

int main() {

int alphaCount = 0,

upperCount = 0,

numCount = 0,

punctCount = 0,

wspaceCount = 0;

char read;

ifstream infile;

infile.open("GettysburghAddress.txt");

if (!infile){

cout << "Error in proccessing the file..." << endl;

}

while (infile.get(read)) {

if (isupper(read)) {

upperCount++;

}

else if (isalpha(read)) {

alphaCount++;

}

else if (isdigit(read)) {

numCount++;

}

else if (ispunct(read)) {

punctCount++;

}

else if (isspace(read)) {

wspaceCount++;

}

}

cout << "The alphabetic character count is: " << alphaCount << endl;

cout << "The uppercase count is: " << upperCount << endl;

cout << "The digit count is: " << numCount << endl;

cout << "The punctuation count is: " << punctCount << endl;

cout << "The white space count is: " << wspaceCount << endl;

return 0;

}



