//Assignment 4 part 1

// Note, the reason that you see empty spaces and funky

// characters at the beginning of the table is because some

// of the characters (keys on your keyboard) are non-printable

#include <iostream>

using namespace std;

int main()

{

// Display the title of the programming challenge.

cout << "Characters for the ASCII Codes\n";

cout << "--------------------------------------\n\n";

// Loop through the ASCII codes.

for(int code = 0; code <= 127; code++)

{

// Display 16 characters per line.

if ( code %16==0)

cout << endl;

cout << (char)code << " ";

}

// Skip a few lines when the loop has finished.

cout << endl << endl;

return 0;

}

ASSIGNMENT 4 PART 3

// Chapter 5, Programming Challenge 24: Using Files-Numeric Processing

#include <iostream>

#include <fstream>

using namespace std;

int main()

{

// Variables

int count = 0; // To count numbers

double number; // To hold a number from the file

double total = 0.0; // Accumulator

double average; // To hold the average

// File stream object

ifstream inFile;

// Open the file.

inFile.open("Random.txt");

// check if the file is open

If ( !inFile)

{

cout << “File opening error”

axit (EXIT\_FAILURE); // you need to include the standard library for the exit function //as follows: #include <cstdlib >

}

// Read the numbers from the file.

while (inFile >> number)

{

// We have a number! Increment the counter.

count++;

// Add the number to the accumulator.

total += number;

}

// Close the file.

inFile.close();

// Calculate the average of the numbers.

average = total / count;

// Display the results.

cout << "Number of numbers: " << count << endl

<< "Sum of the numbers: " << total << endl

<< "Average of the numbers: " << average

<< endl;

return 0;

}