Name:

Create a text file that contains lines of the form:

Alex = 1

Jordan = 2

Peyton = 3

There are three fields: name (e.g., “Alex”), delimiter (e.g., “=”), and a number. You can assume the first value is a character string, the second value is an equal sign, and the third portion is a number. The fields can be separated by an arbitrary amount of whitespace (spaces and tabs).

Write a C/C++ program that:

1. Reads each line of this file.
2. Splits the line into its three components.
3. Assigns the name to a character string and the number to an integer.
4. Sums the numbers.
5. Prints out each value using this **EXACT** format:

name [Alex] = value [1]: sum = 1

name [Jordan] = value [2]: sum = 3

name [Peyton] = value [3]: sum = 6

…

The final value of sum = 6

Your program should work for any text file in the format above. The lists of numbers can be arbitrarily long.

Your main program should be in a file named *p01.cc*. Your header file should be *p01.h*. Use a make file. Submit your code in the usual place on the class server – *qu\_06/lastname\_firstname/p01/*.