# Lab 8 - Strings

**Problem 1. Character Analysis** –Use the file text.txt that is attached to Blackboard. Write a program that reads the file’s contents and determines the following:

The number of uppercase letters in the file

The number of lowercase letters in the file

The number of digits in the file

The number of whitespace characters in the file

**Output should look like this:**

Uppercase letters: 20

Lowercase letters: 310

Digits: 4

Spaces: 82

>>>

Hint: This program does not need to use any lists – the entire file can be read into one string.

**Problem 2. Date Printer** - Write a program that reads a string from the user containing a date in the form mm/dd/yyyy. It should print the date in the format March 12, 2018.

**Sample dialog:**

Enter a date in the format mm/dd/yyyy: 01/16/2018

January 16, 2018

You should have 2 .py files to turn in.