Lab exercise – File input and output

Following the template code provided on the slides and do the following:
1. Write a program that outputs 500 <u>single digit</u> integers to a file named "integerfile.txt", each integer is separated by a newline character.

2. Write a program that reads from the file created by question 1.
a. Print out the contents of the file. (50 integers per line)
b. Calculate the sum of the integers and print out the sum.
c. Count the number of times each digit appears and output the counts. (Use 1-D array to store the counts)