Basic Input and Output Exercise

1. Write a program that displays your name and address on the console as if it were a letter. Your output should look something like that below.

+----------------------------------------------------------------+  
| #### |  
| #### |  
| #### |  
| |  
| |  
| Bill Gates |  
| 1 Microsoft Way |  
| Redmond, WA 98104 |  
| |  
+----------------------------------------------------------------+

2. Modify question #1, instead of displaying to the console, output the letter to a .txt file

3. Write a program that asks the user for their name and a number. Then store the following message in a file named: score.txt: “[name] got a [number] in the Math test.

4. Create a file named: num1.txt and insert integers separated by some white space. Write a program that reads three integers from the file nums.txt and displays (on the screen) the total of the integers.

5. Create several more files in Notepad containing three integers separated by some whitespace. Save them in your home directory as "nums2.txt", "nums3.txt", "nums4.txt", etc.

Then write a program that asks the user which file to open. Then it should open that file, and read the three integers from the file. It should then display (on the screen) the total of the integers.

6. Create two files and name them: puzzle.txt and puzzle2.txt

Inside puzzle.txt, write the following text:

MWTaahyiebt\_e,c\_\_hnyaoontuc;'e\_rste\_r\_aynr\_oert\_e\_gasoduoipdnp\_got\_shoeandtl\_\_yty\_oot\_uhrree\_\_apTdrH\_oItgRhrDia\_sml\_\_eowtnotere.kr\_ss\_.

Inside puzzle2.txt, write the following text:

WTTohhriikssi\_\_niigss,\_\_\_ttbhhueet\_\_\_wryrioogunh'gtr\_\_emm\_eessshssoaawggieen\_\_gff\_rrtoohmme\_\_\_sswaarmmoppnllgee\_22o..nttexxstt

Open a file specified by the user. This file will contain a bunch of characters. You should read in *each* character from the file, one character at a time. Display every third character on the screen. Throw the other characters away.

There is a sample input file called puzzle.txt, containing a little message you can use to test your program.

Sample Output:

Open which file: puzzle2.txt  
  
This\_is\_the\_right\_message\_from\_sample2.txt

7. Create a file CrazyText.txt and write the following text:

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod

tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,

quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo

consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse

cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non

proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Create a second file CrazyTextModified.txt and it should be empty initially.

Write a program that would reads the text in CrazyText.txt and output it to CrazyTextModified.txt with every vowel capitalize.