Homework 10

1. Write a program to create and store information in a text file test.txt.
   Test Data :
   Input a sentence for the file : "This is the content of the file test.txt"

2. Write a program to read an existing file.
   Expected Output:
   > The content of the file test.txt is:
   > This is the content of the file test.txt.

3. Write a program to write multiple lines in a text file.
   Test Data :
   Input the number of lines to be written : 4
   :: The lines are ::
   test line 1
   test line 2
   test line 3
   test line 4

   Expected Output:
   The content of the file test.txt is:
   test line 1
   test line 2
   test line 3
   test line 4

4. Write a program to read the file and store the lines into an array and list them on the screen.
   Test Data :
   Input the file name to be opened : test.txt

   Expected Output*:*
   The content of the file test.txt are:
   test line 1
   test line 2
   test line 3
   test line 4

5. Write a program to Find the Number of Lines in a Text File.
   Test Data :
   Input the file name to be opened : test.txt

   Expected Output*:*
   The lines in the file test.txt are: 4

6. Write a program to count a number of words and characters in a file.
   Test Data :
   Input the file name to be opened : test.txt

   Expected Output:
   The number of words in the file test.txt are: 12
   The number of characters in the file test.txt are: 36

7. Write a program to delete a specific line from a file.
   Assume that the content of the file test.txt is:
   test line 1
   test line 2
   test line 3
   test line 4

   Test Data :
   Input the file name to be opened : test.txt
   Input the line you want to remove : 2

   Expected Output:
   The content of the file test.txt is:
   test line 1
   test line 3
   test line 4

8. Write a program to replace a specific line with another text in a file.
   Assume that the content of the file test.txt is:
   test line 1
   test line 2
   test line 3
   test line 4

   Test Data :
   Input the file name to be opened : test.txt
   Input the content of the new line : Yes, I am the new text instead of test line 2
   Input the line no you want to replace : 2

   Expected Output:
   The content of the file test.txt is:
   test line 1
   Yes, I am the new text instead of test line 2
   test line 3
   test line 4

9. Write a program to copy a file in another name.
Assume that the content of the file test.txt is:
test line 1
test line 2
test line 3
test line 4

Test Data :
Input the source file name : test.txt
Input the new file name : test1.txt

Expected Output:
The file test.txt copied successfully in the file test1.txt.

10. Write a program to merge two files and write it in a new file.
The content of the file test.txt is:
This is the file test.txt.

The content of the file test1.txt is:
This is the file test1.txt.

Test Data :
Input the 1st file name : test.txt
Input the 2nd file name : test1.txt
Input the new file name where to merge the above two files : mergefiles.txt

Expected Output:
The two files merged into mergefiles.txt file successfully...!!
Here is the content of the merge file mergefiles.txt:
The content of the file mergefiles.txt is:
This is the file test.txt.
This is the file test1.txt.