Task 1 – Storing Proverbs

Mavis uses a lots of good proverbs while talking and Raghu is impressed by that. Raghu schedules a meeting with Mavis, to compile a list of all proverb’s Mavis knows. Raghu plans to store the proverbs in a file by creating a program. Help Raghu create the below program.

Create a class named ProverbCollection with a static method storeProverb. The method takes proverb of type String as a parameter and writes the proverb to a file named TopProverbs.txt.

Create a main method in the same class and do the following:

• Use a Scanner to accept a proverb

• Invoke method storeProverb, to write the proverb to a File.

• Program should ask the user to enter proverbs repeatedly until the user types “STOP”

Task 2 – Reading Proverbs

Raghu has stored a lot of good proverbs in a File named TopProverbs.txt. He wants to memorize those proverbs. He plans to write a program to read the file and display the proverbs on the Console. Help Raghu in writing the below program.

Create class named ProverbReader with a main method. Read the file TopProverbs.txt and display the file contents on the Console.

Task 3 – Reversing Proverbs

Create a class ProverbReverser for performing following tasks :

• reads the contents of a file “TopProverbs.txt”,

• reverses each word read (create a separate static method reverseWord(String), which should return reverse word),

• writes it to a destination file “ReverseProverbs.txt”, whose contents are read

• output to the standard output.

Task 4 – Format Document

A Project Manager named Sunil have received a document from a client and is finding it difficult to read, as the document contains lots of extra spaces between words. He asked his associate Manzoor to format the document by removing extra spaces between words. Since the document is pretty big, Manzoor plans to automate this work by writing a program. Help Manzoor by creating the below program.

Create a class DocumentFormatter with a main method. The main method should

• Read the file line by line

• Remove extra spaces from each line

• Write the formatted line to a new File. The name of the new file should be accepted from the user using a Scanner

Note: Use BufferedReader to read the document and PrintWriter to write to the new file.