Exercise 1:

Write a program using “public static” methods to read file math.txt

1. For each line in the file, print out (System.out.print) the result of the math expression.

For example,

//read: 71 – 31

//System.out.print

71 – 31 = 40

1. Instead of System.out.print, write all results to anther file math\_result.txt.

math.txt: 71 – 31

math\_result.txt: 71 – 31 = 40

Exercise 2:

Design the program in exercise 1 using OOP class diagram (MathExpression\_class\_diagram.pdf)

1. Print the result with System.out.print
2. Print the result to math\_result\_oop.txt

**NOTE: make use of try-catch-finally and Exception while reading input.**