Homework
Grade 11 Review 7a – More File Output and Input

1. A class has 10 students, and each student has to write 5 tests in a semester. A 2D array can be used to store the score of all tests for each student:

Test

	0	1	2	3	4
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					

Student

   Marks.java: Write a program that does the following

   a. Declare and create a 2D array to store the score of 5 tests of each of 10 students
   b. Read input from a text file "marks.txt" to fill in the array
   c. Calculate the average of the five tests for each student, and output the results to the file "result.txt"
   d. Find out the student with the highest overall average, and output the student number to the file "result.txt"
   e. Calculate the class average of each test and output the result to file "result.txt"

2. **PrintLines.java**: Write a program that read each line in a file "line.txt", then output them to the standard output.

3. **PrintAllChar.java**: Write a program that reads all lines in the file "allChar.txt", then prints each character on each line on separate line, excluding the spaces, '\n' and '\r'

4. **ReverseLines.java:** In the text file "reverse.txt", the first line contains an integer which indicates the number of lines that follow. You program should read each one of these lines and then output them in reverse order. (hint: use an array)