Lab 10: Exceptions

Exercise 1: Create a Project

1. Create a project called "lab10"
   a) If you are using Eclipse create a project in Eclipse as we did in previous weeks.
   b) If you are using text editor, create a "lab10" directory in "java" directory which is in your home directory.
2. Download the grades.txt from Piazza and put it in the project folder.

Exercise 2: Write an application which calculates the average grade for the exam grades listed in the text file

1. Create a class named AverageGradeCalculator.
2. Write a method named processFile which
   a) opens the "grades.txt" file
   b) read the each student grade and calculate the average grade for the course
   c) Returns the average grade
3. In the main method, create an instance of your class and call the processFile method with "grades.txt" as parameter

Exercise 3: Process a file which contains invalid grades

1. Modify one of the grades in the grades.txt so that the grade can not be converted to Integer value
2. Rerun your application to see the effect of modfied file
3. Modify AverageGradeCalculator so that it only calculates average grade for valid grades and print warnings for invalid grades