Problem A

Write a program to demonstrate catching exceptions with superclasses.

Specification

* Create an exception class hierarchy as follows:
* class ExceptionA (a superclass)
* class ExceptionB which inherits from ExceptionA
* class ExceptionC which inherits from ExceptionB
* Your program should demonstrate that the catch block for type ExceptionA catches exceptions of types ExceptionB and ExceptionC.

Problem B

Write a program to demonstrate how various exceptions are caught with

*catch(Exception exception)*

Specification

* Define classes ExceptionA (which inherits from class Exception) and ExceptionB (which inherites from class ExceptionA).
* Create try blocks that throw exceptions of types:
* ExceptionA
* ExceptionB
* NullPointerException **attempt to use null reference type when object is expected, reference variable used before it is initialized**
* IOException **Input/Output Exception p. 759**
* Your program should demonstrate that all exceptions can be caught with a catch block specifying type Exception.

Admin

* Grading
* 0 points if your program does not compile.
* -5 for comments, indentation and placement of {} not per [Style Guide](http://www.cs.slcc.edu/style-guide.shtml).
* -10 for each specification not met.
* Submission
* Create an executable .jar file for Problem 4A
* Create an executable .jar file for Problem 4B
* Attach and submit both .jar files