COMP 1451 Lab 1-b (10 points)

Take-home lab

Download the file "lab 1-b pay" from the dropbox and unzip it. This lab must be done on your own. Be sure to use good coding style and include appropriate Javadoc comments.

Create a class called **Pay**.

The class has a method called calculatePay(). Using a while loop this method will prompt the user the enter the number of days which should be more than 0. If the user enters a number less than 0 an error message will be displayed.

The earnings are 1 penny in the first day, 2 pennies in the second day, 4 pennies in the third day and so on. The pennies continue to double each day. The method should print a table showing the earnings of each day and then show the total pay at the end of the period. The output should be displayed in a dollar amount not number of pennies.

Output example:
Day 1 earning is: $ 0.01
Day 2 earning is: $ 0.02
Day 3 earning is: $ 0.04
Day 4 earning is: $ 0.08
Day 5 earning is: $ 0.16
Total earning for 5 days is: $ 0.31

Use the provided **InputReader** class to get the input from the user.

The take-home lab is due at 11:59 pm the night before the next class. Zip the project and upload it to the appropriate D2L dropbox by the deadline. A suggested solution will be discussed in class and labs not already in the dropbox will not receive any points.