Programming guidelines

* Use jGrasp.
* Create a comment header, at the top of the document, stating information about this lab. Include:
  + Your name
  + Course number (CSC242-01)
  + Week lab was assigned.
  + One line description of the lab

Program Requirements

1. Name the class “**Week2\_ConvDec2Binary”.**
2. Input
   1. Allow user to input an integer from 0 -> 2,000,000.
   2. Validate the input. If input is invalid, make them enter a value again.
3. Processing
   1. Use the Division method for converting Decimal to Binary.
      1. This method is discussed in chapter 2 of the text.
   2. Loop and divide the test number by 2. Loop until the quotient is zero.
   3. Note: Remember remainders are given in reverse order (LSB first).
4. Output
   1. At beginning of the program, display some kind of welcome message, stating to the user what this program does.
   2. When printing the results, display both the original decimal value and the calculated binary value. Display the output in a nice format.
5. Testing
   1. Extensively test your program. Test with all type of integers values; valid and invalid data.
   2. I will use a set of test data to evaluate your program.

Deliverables

1. Submit the Java file to the appropriate D2L submission area.
2. I just want the Java file, nothing else.