**IC5**

**Summer 2018**

This is a multi-part assignment.

PracticeIT! Problems: Work 5 of 6. If all 6, 1 will count as a bonus.

* BJP4 12.2: writeNums
* BJP4 12.6: writeSquares
* BJP4 12.7: writeChars
* BJP4 12.8: multiplyEvens
* BJP4 12.9: sumTo
* BJP4 12.11: repeat

Copy your practice it submissions and put them in files and attach to this assignment.

Write a class that converts a positive integer supplied by the user to a binary string.  This must use a recursive algorithm.

* Hint, investigate using num / 2 and num % 2 to help you reach your base case and to generate the String.

Sample output:

Please enter the number you would like to convert to binary (must be a positive integer) -1 to exit

8

1000

Please enter the number you would like to convert to binary (must be a positive integer) -1 to exit

64

0100 0000

Please enter the number you would like to convert to binary (must be a positive integer) -1 to exit

128

1000 0000

Please enter the number you would like to convert to binary (must be a positive integer) -1 to exit

-1