

Lab 3
(Full Score: 50 points)

(Due by 3/2/Wednesday in class/at at Moodle)

Your name:	Score:
------------	--------

Design a 3-bit bidirectional Gray code counter.

Design a 3-bit Gray code counter such that ABC = 000->001->011->010->110->111->101->100->000.

Please use JK flip-flops for your implementation. Implement your design with Quartus II. Save your project and submit it (as a compress file) to Moodle.

This is an individual project!

Bonus Work:

- **(20 points)** In addition to the JK flip-flops, using T flipflops for your implementation.
- (Create a new Quartus II project for the Bonus work. Submit it separately at Moodle.)