





























Lab 06

- Part 1: Frequency Divider with JK flip-flops or T flipflops
 - Design a flashing light array with the 50MHz clock
 - LEDG[0..9] is toggled every 2^[25..34] clock ticks, respectively.
 - E.g., LEDG0 is toggled with 1.49Hz, LEDG1 is toggled with 0.745Hz, and so on.
- Part 2: Design a clock
 - Design a clock with four digits.
 - HEX[3210] represents MM.SS (MM: minutes, SS: seconds), where the "dot" between MM and SS should be always on.
 - Set the initial time to 34.56.







