PWM-Drawer

By Mohamed Ali Obaya

Outline

- PWM
- Simulation
- Code

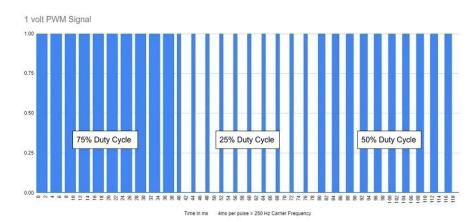
PWM

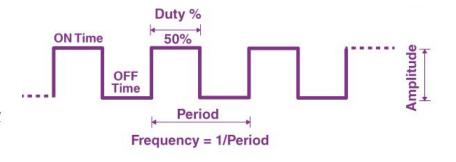
PWM

- What's PWM?
- Problem Statement
- Reduction of electrical power supply
- Carrier Frequency
- Duty Cycle

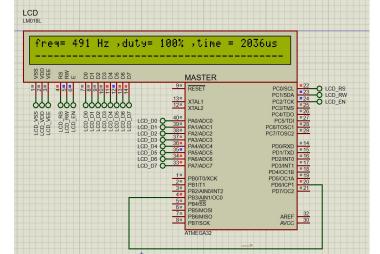
$$Duty Cycle = \frac{Time_{on}}{Periodic Time} \times 100$$

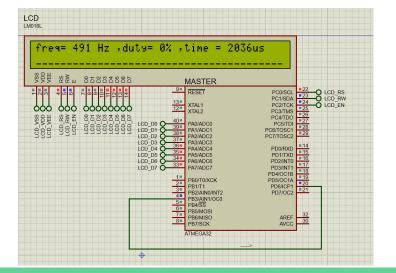
$$Voltage_{equivalent} = Duty Cycle * Voltage_{actual}$$

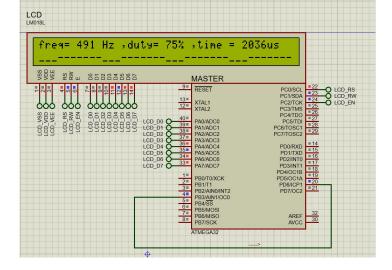


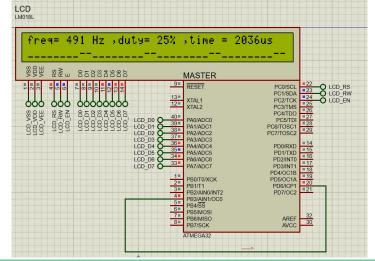


Simulation

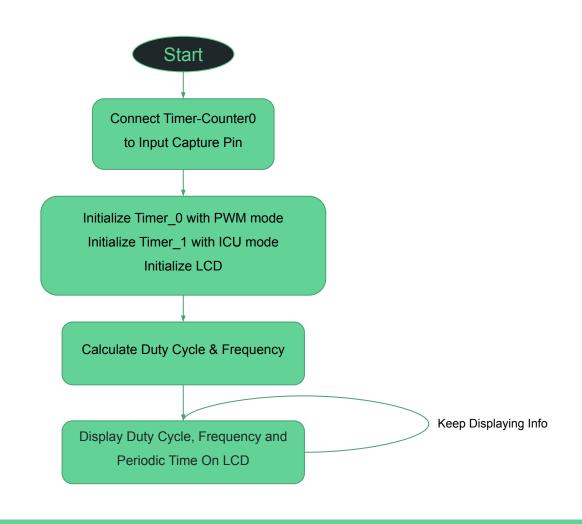








Code



Thank You