

1. Write a program to generate 50 % duty cycle , 1 KHz , wave and use it to run the buzzer.
2. Generate a 4KHz wave with 60% duty cycle and also for 40 % duty cycle.
3. Interface LED to P0.0 and write a c program to LED dimming using PWM. Such that switch at P0.1 pressed = 25 % bright , P0.2 = 50% , P0.3= 75% and P0.4 gives full brightness.
4. DC motor is connected PWM1 and need to control the speed of it by operating switches at P0.1/2/3/4 . write C program for the same.
5. Generate a wave form for Ton= 2.5 m sec and Toff= 5 m sec with a frequency of 1KHz.