

Arduino Lab

Q1

add two push button to control dc motor direction ,first one to rotate motor clockwise and other to rotate it counter clockwise.

Q2

Control dc motor speed and direction such that pot 10k ohm to control dc motor speed using arduino and H-bridge, direction controlled from ultrasonic sensor if distance <60 go Backward others go forward.

Q3

Using Temperature sensor Control speed of DC motor such that if temp >25 turn on fan with low speed pwm=(50) and with every 5 degree increase pwm by 50 until reach max pwm make saturation level 255.