

Arduino Worksheet

1. Blink Led for 1 second, 2 seconds and 3 seconds and loop
2. Switch on led when pushbutton is pressed
3. Take reading from the potentiometer to control the brightness of the led.
4. Move the servo to an angle [angle must be taken from the user , must display on serial monitor]
5. Display the input of the ultrasonic sensor on the Serial Monitor
6. Take reading from the ultrasonic sensor and this is your condition

0-15: turn led off

15-50: turn led on

50 and beyond: turn led off

7. Have fun with it, try to combine led's, servos, buttons, potentiometer and ultrasonic sensor to build a circuit of your own