

```
//ARDUINO CODE
int redFrequency = 0;
int greenFrequency = 0;
int blueFrequency = 0;
int const trigPin = 10;
int const echoPin = 9;
int const buzzPin = 2;
void setup()
{
  pinMode(trigPin, OUTPUT);
  // trig pin will have pulses output
  pinMode(echoPin, INPUT);
  // echo pin should be input to get pulse width
  pinMode(buzzPin, OUTPUT);
  // buzz pin is output to control buzzing
}
void loop()
{
  // Duration will be the input pulse width and distance will be the distance to the
  obstacle in centimeters
  int duration, distance;
  30
  // Output pulse with 1ms width on trigPin
  digitalWrite(trigPin, HIGH);
  delay(1);
```