Const int trigPin = 8;

Const int echoPin = 6;

Double duration, distance;

Const int rh =18;

Const int rl =17;

Const int lh = 15;

Const int ll =14 ;

Const int y =13 ;

Const int r =12 ;

Void setup() {

Serial.begin(9600);

pinMode(5, INPUT);

pinMode(3, INPUT);

pinMode(2, INPUT);

pinMode(10, INPUT);

pinMode(echoPin, INPUT);

pinMode(trigPin, OUTPUT);

pinMode(rh, OUTPUT);

pinMode(rl, OUTPUT);

pinMode(lh, OUTPUT);

pinMode(ll, OUTPUT);

pinMode(y, OUTPUT);

pinMode(r, OUTPUT);

}

Void loop() {

Int r=analogRead(5); //700

Int l=analogRead(3); //1000

Float R=analogRead(2); //500

Float H=analogRead(10); //240

digitalWrite(trigPin, LOW);

delayMicroseconds(2);

digitalWrite(trigPin, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distance = (duration\*.0343)/2; //200-175

int D=distance;

delay(1000);

if((R<500)||(H<1000)){

digitalWrite(rh,LOW);

digitalWrite(rl,LOW);

digitalWrite(lh,LOW);

digitalWrite(ll,LOW);

digitalWrite(y,HIGH);

digitalWrite(r,LOW);

//(“Yellow Light High”);

}

Else if((l<1000)&&(r<700)){

digitalWrite(rh,LOW);

digitalWrite(rl,HIGH);

digitalWrite(lh,LOW);

digitalWrite(ll,HIGH);

digitalWrite(y,LOW);

digitalWrite(r,LOW);

//(“R Light Low”);

//(“L Light Low”);

}

Else if(r<700){

digitalWrite(rh,LOW);

digitalWrite(rl,HIGH);

digitalWrite(lh,HIGH);

digitalWrite(ll,LOW);

digitalWrite(y,LOW);

digitalWrite(r,LOW);

//(“R Light Low”);

//(“L Light High”);

}

Else if(l<1000){

digitalWrite(rh,HIGH);

digitalWrite(rl,LOW);

digitalWrite(lh,LOW);

digitalWrite(ll,HIGH);

digitalWrite(y,LOW);

digitalWrite(r,LOW);

//(“R Light High”);

//(“L Light Low”);

}

Else{

digitalWrite(rh,HIGH);

digitalWrite(rl,LOW);

digitalWrite(lh,HIGH);

digitalWrite(ll,LOW);

digitalWrite(y,LOW);

digitalWrite(r,LOW);

//(“R Light High”);

//(“L Light High”);

}

}