int led1 = 8;

int led2 = 9;

int led3 = 10;

int led4 = 11;

int led5 = 12;

int ldr = A0;

int ir1 = 2;

int ir2 = 3;

int ir3 = 4;

int ir4 = 5;

int ir5 = 6;

int proxy1=0;

int proxy2=0;

int proxy3=0;

int proxy4=0;

int proxy5=0;

void setup()

{

Serial.begin (9600);

pinMode (led1,OUTPUT);

pinMode (ldr,INPUT);

pinMode (ir1,INPUT);

pinMode (led2,OUTPUT);

pinMode (ir2,INPUT);

pinMode (led3,OUTPUT);

pinMode (ir3,INPUT);

pinMode (led4,OUTPUT);

pinMode (ir4,INPUT);

pinMode (led5,OUTPUT);

pinMode (ir5,INPUT);

}

void loop()

{

Serial.println(analogRead(A0));

int ldrStatus = analogRead (ldr);

if (ldrStatus <=500)

{

digitalWrite(led1, HIGH);

digitalWrite(led2, HIGH);

digitalWrite(led3, HIGH);

digitalWrite(led4, HIGH);

digitalWrite(led5, HIGH);

//analogWrite(led,255/5);

proxy1=digitalRead(ir1);

proxy2=digitalRead(ir2);

proxy3=digitalRead(ir3);

proxy4=digitalRead(ir4);

proxy5=digitalRead(ir5);

if (proxy1==HIGH) // IR 1 CODE

{

digitalWrite(led1,LOW);

//analogWrite(led,255/5);

}

else

{

digitalWrite(led1,HIGH);

delay(1000);// micro second

}

if (proxy2==HIGH) // IR 2 CODE

{

digitalWrite(led2,LOW);

//analogWrite(led,255/5);

}

else

{

digitalWrite(led2,HIGH);

delay(1000);// micro second

}

if (proxy3==HIGH) // IR 3 CODE

{

digitalWrite(led3,LOW);

//analogWrite(led,255/5);

}

else

{

digitalWrite(led3,HIGH);

delay(1000);// micro second

}

if (proxy4==HIGH) // IR 4 CODE

{

digitalWrite(led4,LOW);

//analogWrite(led,255/5);

}

else

{

digitalWrite(led4,HIGH);

delay(1000);// micro second

}

if (proxy5==HIGH) // IR 5 CODE

{

digitalWrite(led5,LOW);

//analogWrite(led,255/5);

}

else

{

digitalWrite(led5,HIGH);

delay(1000);// micro second

}

}

else

{

digitalWrite(led1, LOW);

digitalWrite(led2, LOW);

digitalWrite(led3, LOW);

digitalWrite(led4, LOW);

digitalWrite(led5, LOW);

}

}