int sensor=2; //The output of PIR sensor connected to pin 2

int sensor\_value; //variable to hold read sensor value

int count=0;

int light=3;

void setup()

{

pinMode(sensor,INPUT); // configuring pin 2 as Input

Serial.begin(9600); // To show output value of sensor in serial monitor

pinMode(light,OUTPUT);

}

void loop()

{

sensor\_value=digitalRead(sensor); // Reading sensor value from pin 2

Serial.println(sensor\_value); // Printing output to serial monitor

delay(500);

if (sensor\_value==1){

count=count+1;

Serial.print("count:");

Serial.println(count);

}

if(count==1)

digitalWrite(light,HIGH);

if(count==6)

{

Serial.print("count:");

Serial.println(count);

digitalWrite(light,HIGH);

Serial.println("Light is on");

}

if (count==12)

{

digitalWrite(light,LOW);

Serial.println("Light is OFF");

count=0;

}

}