int IR1 = 2;

int IR2 = 3;

int LED1 = 5;

int LED2 = 6;

int LDR = A3;

void setup()

{

Serial.begin(9600);

pinMode(LED1, OUTPUT);

pinMode(LED2, OUTPUT);

pinMode(IR1, INPUT);

pinMode(IR2, INPUT);

pinMode(LDR, INPUT);

}

void loop() {

intLDRValue = analogRead(LDR);

Serial.print("sensor = ");

Serial.print(LDRValue);

delay (500);

digitalWrite(LED1, LOW);

digitalWrite(LED2, LOW);

Serial.println("It's Bright Outside; Lights status: OFF");

if (LDRValue< 100 &&digitalRead(IR1) == HIGH)

{

digitalWrite(LED1, HIGH);

Serial.println("It's Dark Outside; LED1 Lights status: ON");

}

if (LDRValue< 100 &&digitalRead(IR2) == HIGH)

{

digitalWrite(LED2, HIGH);

Serial.println("It's Dark Outside; LED2 Lights status: ON");

    }

}