CODE

```
int LightSensorVal = 0;

int PIRSensorVal = 0;

int RelayOutputVal = 0;


void setup()

{

 pinMode(A0, INPUT);

 pinMode(2, INPUT);

 pinMode(8, OUTPUT);

 Serial.begin(9600);
```

```
}

void loop()
{
 LightSensorVal = analogRead(A0);
 PIRSensorVal = digitalRead(2);
 RelayOutputVal = 8;
 if (LightSensorVal < 600) {
  if (PIRSensorVal == HIGH) {
    digitalWrite(8, HIGH);
    delay(5000);
   } else {
    digitalWrite(8, LOW);
    delay(1000);
   }
 } else {
   digitalWrite(8, LOW);
   Serial.println(LightSensorVal);
   delay(300);
 }
}
```