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**Topic:smart home application** 

## **Code:**

```
int lightsensor = A0;
int pirsensor = 2;
int buzzer = 4;
int led=8;
void setup()
{
 pinMode(lightsensor, INPUT);
 pinMode(pirsensor, INPUT);
 pinMode(buzzer, OUTPUT);
 pinMode(led,OUTPUT);
 Serial.begin(9600);
}
```

```
void loop()
{
 lightsensor = analogRead(lightsensor);
 pirsensor = digitalRead(pirsensor);
 if (lightsensor < 700) {
  if (pirsensor == HIGH) {
   digitalWrite(led,HIGH);
   digitalWrite(buzzer,HIGH);
   delay(1000);
  } else {
   digitalWrite(buzzer, LOW);
   digitalWrite(led,LOW);
   delay(1000); //
  }
 } else {
  digitalWrite(buzzer, LOW);
  digitalWrite(led,LOW);
  Serial.println(lightsensor);
 delay(1000);
```

