

Team ID : NM2023TMID10876

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Wokwi link: <https://wokwi.com/projects/362720572896571393>

Code:

```
int PIR = 5;

int buzzer = 6;

int led = 7;

void setup() {

  pinMode(PIR, INPUT);

  pinMode(buzzer, OUTPUT);

  pinMode(led, OUTPUT);

  Serial.begin(9600);

}

void loop() {

  int motion = digitalRead(PIR);

  if (motion == HIGH)

  {

    digitalWrite(led, HIGH);

    digitalWrite(buzzer, HIGH);

    Serial.println("!!!MOTION DETECTED!!!");

    delay(1000);

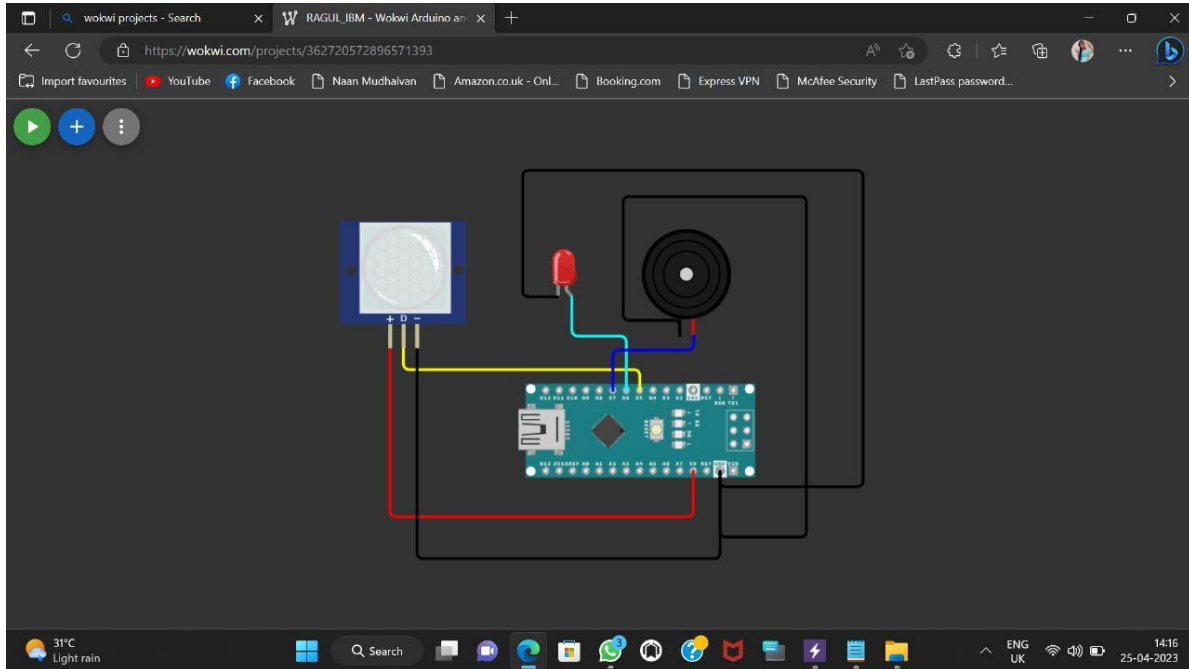
    digitalWrite(buzzer, LOW);

  } else

  {
```

```
digitalWrite(led, LOW);  
  
}  
  
}
```

Schematics:



```
WOKWI  
SAVE SHARE RAGUL_IBM Docs  
sketch.ino diagram.json Library Manager  
1  
2 int PIR = 5;  
3 int buzzer = 6;  
4 int led = 7;  
5  
6 void setup() {  
7   pinMode(PIR, INPUT);  
8   pinMode(buzzer, OUTPUT);  
9   pinMode(led, OUTPUT);  
10  Serial.begin(9600);  
11 }  
12  
13 void loop() {  
14   int motion = digitalRead(PIR);  
15   if (motion == HIGH)  
16   {  
17     digitalWrite(led, HIGH);  
18     digitalWrite(buzzer, HIGH);  
19     Serial.println("!!!MOTION DETECTED!!!");  
20     delay(1000);  
21     digitalWrite(buzzer, LOW);  
22   } else  
23   {  
24     digitalWrite(led, LOW);  
25   }  
26 }
```