

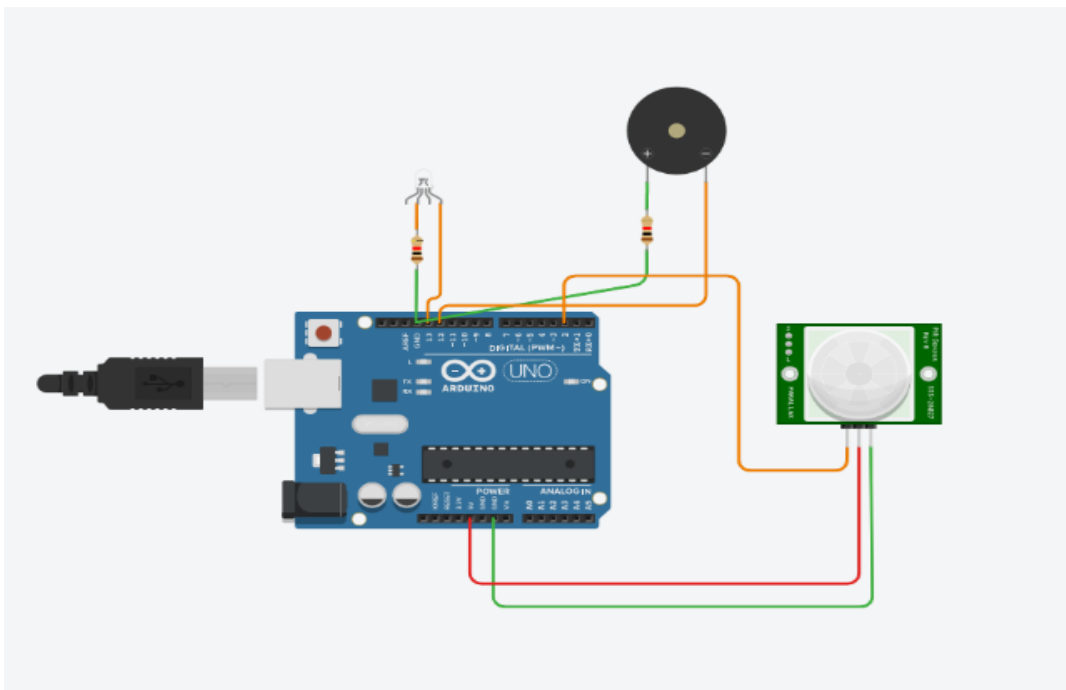
Practical 8

Aim: Develop Python code for testing the sensors.

Components:

- a. PIR Sensor
- b. Resistor
- c. Piezo
- d. Arduino Uno R3
- e. LED RGB

Step 1: Connect all the device with wires and complete



Step 2: Code:

```
int pirsensor = 0;

void setup() {
  pinMode(2, INPUT);
  pinMode(12, OUTPUT);
  pinMode(13, OUTPUT);
}

void loop() {
  pirsensor = digitalRead(2); // Added semicolon here
```

```
if (pirsensor == HIGH) {  
  digitalWrite(13, HIGH);  
  tone(12, 500, 500);  
} else {  
  digitalWrite(13, LOW); // Added semicolon here and else block  
}  
}
```

Output:

