

Assignment-1

Date	10 September 2022
Team ID	PNT2022TMID31899
Student Register Number	721219106063
Maximum Marks	2 Marks

Question-1:

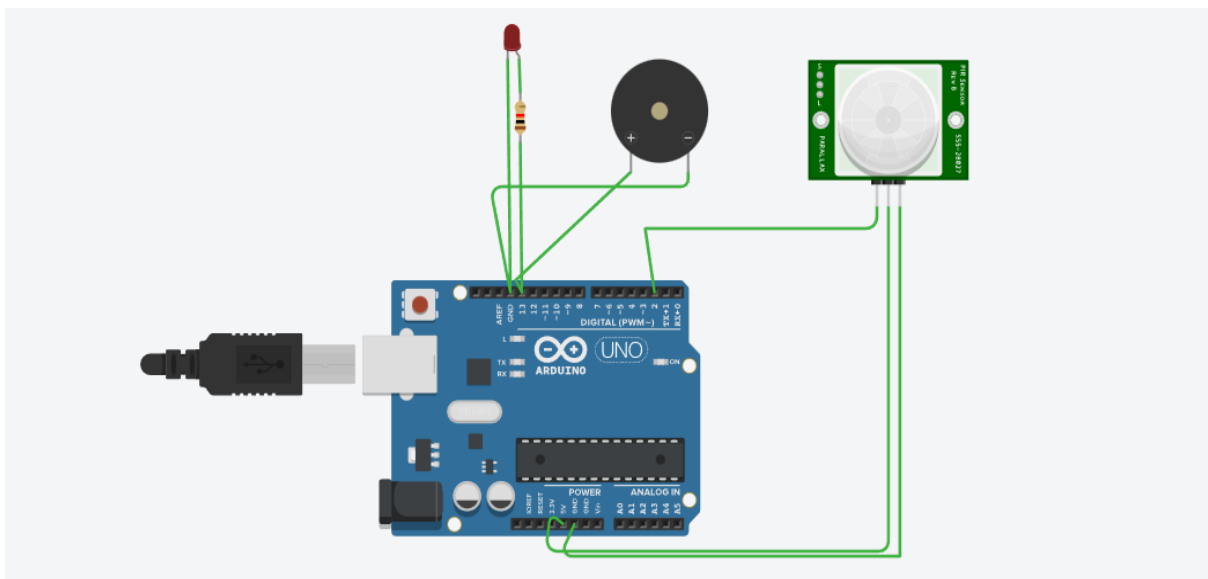
Make a Common Circuit in tinkercad using PIR sensor ,Buzzer and LED. Motion detect by sensor and make alarm.

Solution:

```
void setup()
{
  pinMode(LED_BUILTIN, OUTPUT);
}

void loop()
{
  digitalWrite(LED_BUILTIN, HIGH);
  delay(1000);      // Wait for 1000 millisecond(s)
  digitalWrite(LED_BUILTIN, LOW);
  delay(1000);      // Wait for 1000 millisecond(s)
}
```

Circuit Diagram:



Components:

S.No	Name	Quantity	Component
1.	U1	1	Arduino Uno R3
2.	PIEZO1	1	Piezo
3.	PIR1	1	PIR Sensor
4.	R1	1	Resistor
5.	D1	1	Red LED