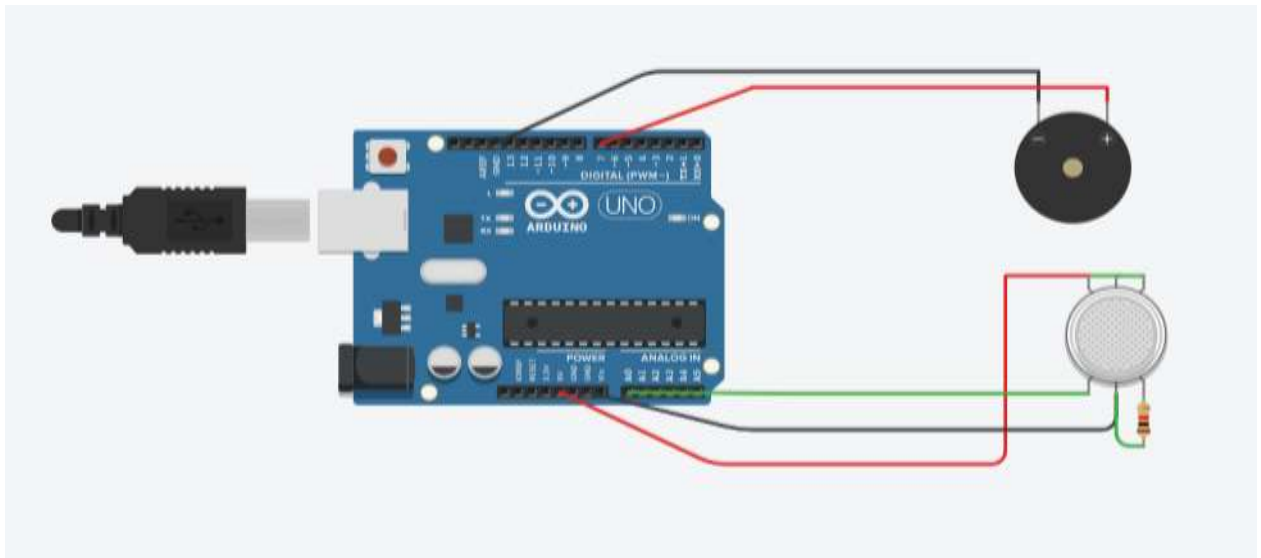# ASSIGNMENT 1

HOME AUTOMATION

TEAM ID: PNT2022MID21384

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TEAM MEMBER: SANTHOSH S – 917719D079

TEAM MEMBER: SEEMAN CHAKKARAVARTHY V – 917719D083

```cpp
// C++ code
//
int v_gas = 0;

void setup()
{
  pinMode(A0, INPUT);
  pinMode(7, OUTPUT);
}

void loop()
{
  // gas sensor
  v_gas = analogRead(A0);
  if (v_gas >= 250) {
    tone(7, 523, 1000); // play tone 60 (C5 = 523 Hz)
  }
  delay(10); // Delay a little bit to improve simulati
}
```

OUTPUT: