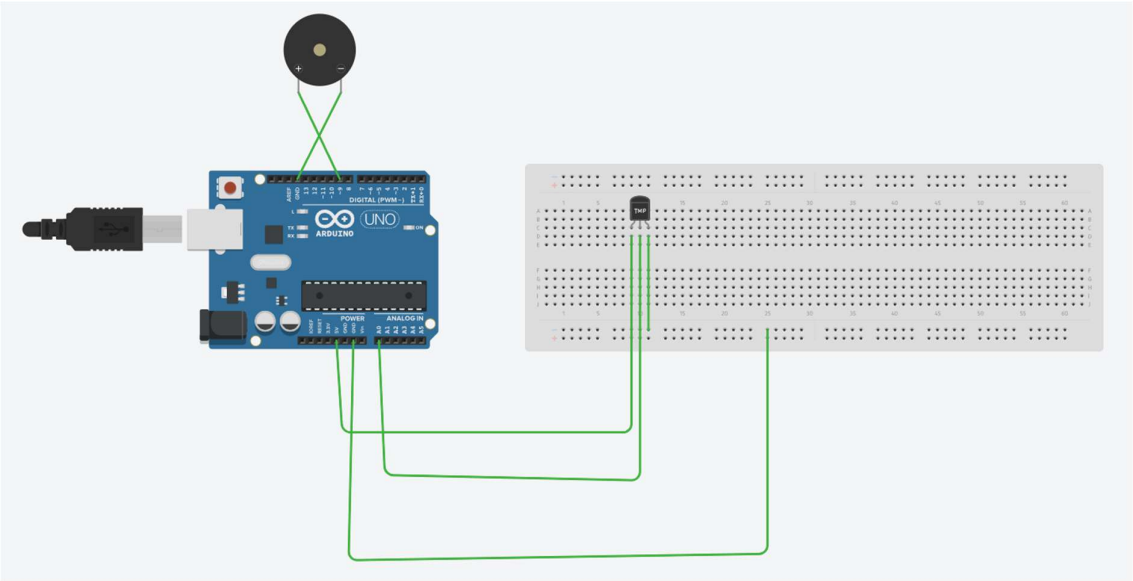
```
// Define pin numbers
const int tempSensorPin = A0;  // Analog input pin for TMP36 sensor
const int buzzerPin = 9;       // Digital output pin for the buzzer

// Define temperature threshold in Celsius
const float thresholdTemp = 30.0;  // Set threshold temperature

void setup() {
  Serial.begin(9600);  // Initialize serial communication for debugging
  pinMode(buzzerPin, OUTPUT);  // Set buzzer pin as output
}

void loop() {
  // Read the analog value from TMP36
  int sensorValue = analogRead(tempSensorPin);

  // Convert analog value to voltage
  float voltage = sensorValue * (5.0 / 1023.0);

  // Convert voltage to temperature in Celsius
  float temperatureC = (voltage - 0.5) * 100.0;

  // Print temperature to Serial Monitor
  Serial.print("Temperature: ");
  Serial.print(temperatureC);
  Serial.println(" C");

  // Check if the temperature crosses the threshold
  if (temperatureC > thresholdTemp) {
    digitalWrite(buzzerPin, HIGH);  // Turn buzzer ON
  } else {
    digitalWrite(buzzerPin, LOW);   // Turn buzzer OFF
  }

  delay(1000);  // Wait for 1 second before the next reading
}
```


DIGITAL (PWM~)
UNO
ARDUINO
POWER
ANALOG IN
TMP