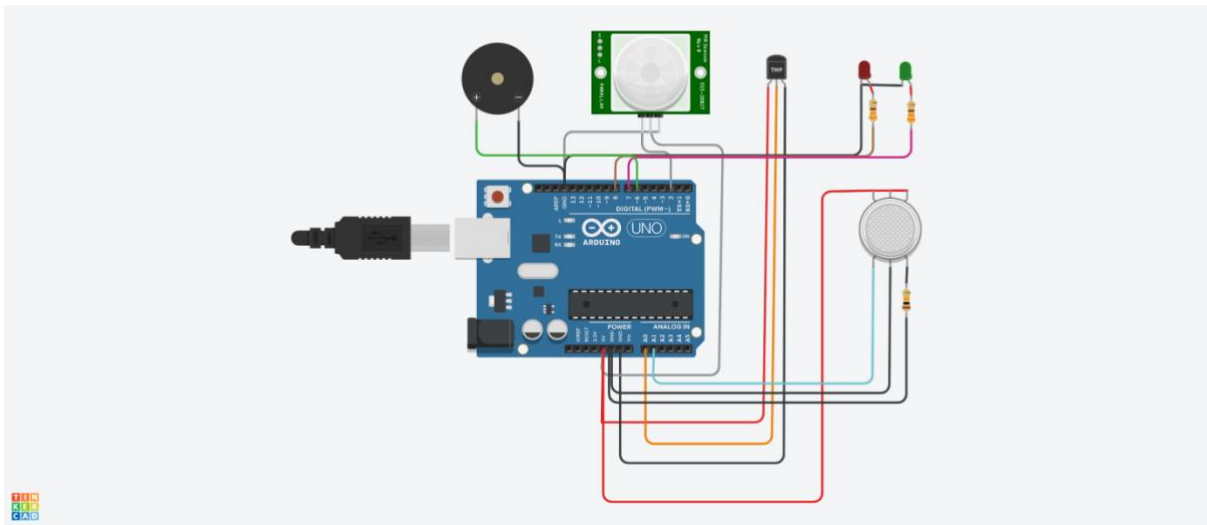# CIRCUIT DIAGRAM

PROGRAM

```
void setup() {
  Serial.begin(9600);
  pinMode(A0, INPUT);
  // put your setup code here, to run once:

}

void loop() {
  int a;
  a = analogRead(A0);
  a = a * 0.49;
  Serial.print("Temp:");
  Serial.println(a);
  delay(1000);
  if (a > 30 && a < 45)
  {
    Serial.println("temp is normal");
  }
  if (a > 45 && a < 60)
  {
    Serial.println("temp is high");

  }
```

```
  if (a > 90)
  {
    Serial.println("temp is critical");
  }
}
```