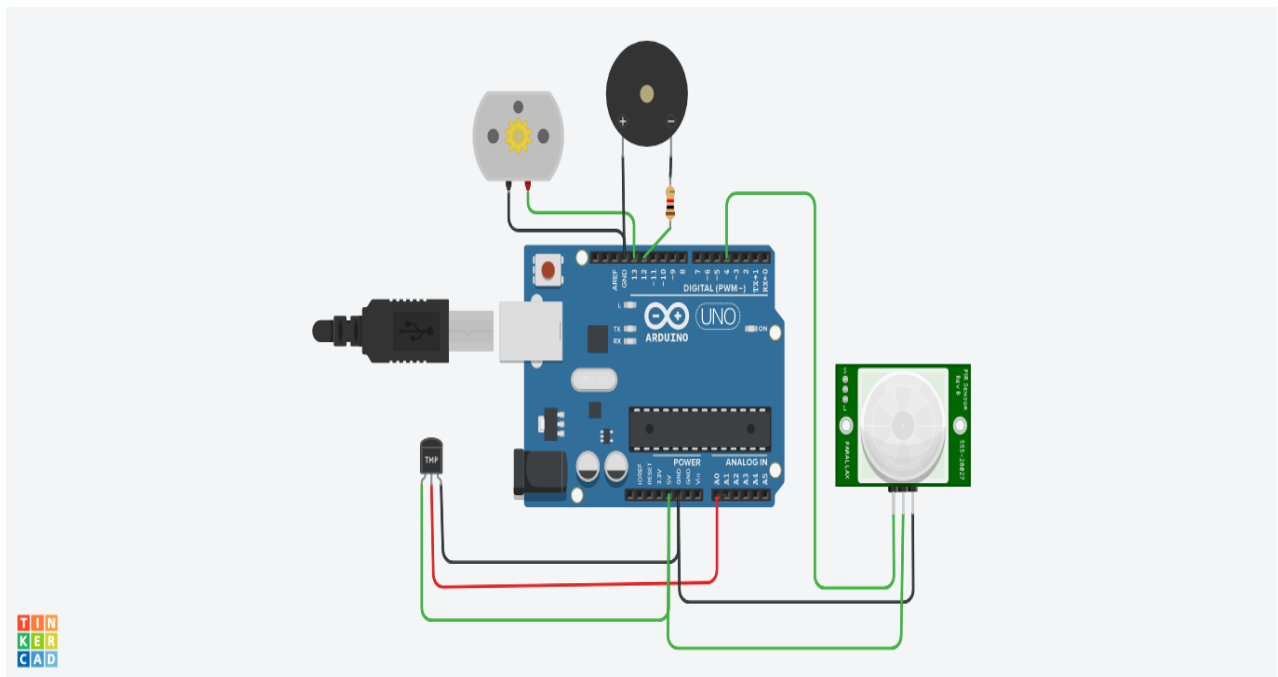


# IBM-NALAIYA THIRAN ASIGNMENT-1

CLINDON G  
950819106302

## CIRCUIT DIAGRAM



## PROGRAM:

```
float tempsensor=A0;  
int pir=4;
```

```

int fan=13;
int buzzer=12;

void setup() {
  Serial.begin(9600);
  pinMode(tempsensor, INPUT);
  pinMode(pir, INPUT);
  pinMode(fan, OUTPUT);
  pinMode(buzzer, OUTPUT);
}

void loop() {
  float temp=analogRead(tempsensor);
  Serial.println(temp);

  if(temp>150)
    digitalWrite(fan, HIGH);
  else
    digitalWrite(fan, LOW);

  int pirvalue=digitalRead(pir);
  Serial.println(pirvalue);
  if(pirvalue==1)
    digitalWrite(buzzer, HIGH);
  else
    digitalWrite(buzzer, LOW);
  tone(10, 200, 50);
  delay(100);
}

```

TINKERCAD LINK:

[https://www.tinkercad.com/things/gUrKQZwtrFi-temperature-sensor/editel?sharecode=LznkPjRvWzW8DJek3R\\_yjNf5JdGlyk5BxGTefuhfgBM](https://www.tinkercad.com/things/gUrKQZwtrFi-temperature-sensor/editel?sharecode=LznkPjRvWzW8DJek3R_yjNf5JdGlyk5BxGTefuhfgBM)

