

```
void setup()
{
    Serial.begin(9600);

    pinMode(13, OUTPUT);

    pinMode(12,OUTPUT);
}

void loop()
{
    int a=analogRead(A0);

    Serial.println(a);

    if(a>500)

        digitalWrite(13,HIGH);

    else

        digitalWrite(13,LOW);

    double b=analogRead(A1);

    double t((((b/1024)*5)-0.5)*100);

    Serial.print("temp value:");

    Serial.println(t);

    if(t>23)

        digitalWrite(12,HIGH);

    else

        digitalWrite(12,LOW);

}
```

