```
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);
}
```