

```

void
setup()
{
    Serial.begin(9600);
    pinMode(4,INPUT);
    pinMode(8,OUTPUT);
    pinMode(13,OUTPUT);

}
void loop()
{
    int p=digitalRead(4);
    Serial.println(p);
    if(p)
    {
        digitalWrite(13,1);
        Serial.println("motion detected");
    }
    delay(1000);
    double a=analogRead(A0);
    double t=((a/1024)*5)-0.5)*100;

    Serial.println(t);
    if(t>25)
    {
        digitalWrite(8,1);
        Serial.println("temperature greater than 25");
        delay(1000);
    }
}

```