

```
int sensorState=0;
void setup()
{
  pinMode(2,INPUT);
  pinMode(13,OUTPUT);
  Serial.begin(9600);
}
void loop()
{
  //read the state of the sensor/digital input
  int a=digitalRead(2);
  //check the sensor pin is HIGH if it is set then
  //LED on
  if (sensorState=HIGH);
    digitalWrite(13,HIGH);
    Serial.println("Sensor activated");
    digitalWrite(13,LOW);
    delay(1000);
}
//Delay a little bit to improve simulation performance
```

