

```
int poten_pin = A1;
int ledpin = 12;
int threshold = 500;

void setup()
{
    pinMode(poten_pin, INPUT);
    pinMode(ledpin, OUTPUT);
    Serial.begin(9600);
    delay(1000);
}

void loop()
{
    int poten_val = analogRead(poten_pin);
    if (poten_val > threshold)
    {
        Serial.println(poten_val);
        Serial.println("Warning. Threshold value exceeded.");
        digitalWrite(ledpin, HIGH);
    }
    else
    {
        Serial.println(poten_val);
        Serial.println("Threshold maintained.");
        digitalWrite(ledpin, LOW);
    }
    delay(1000);
}
```