const int AOUTpin=0;//the AOUT pin of the alcohol sensor goes into analog pin A0 of the arduino  
const int DOUTpin=8;//the DOUT pin of the alcohol sensor goes into digital pin D8 of the arduino  
const int ledPin=13;//the anode of the LED connects to digital pin D13 of the arduino  
  
int limit;  
int value;  
  
void setup() {  
Serial.begin(115200);//sets the baud rate  
pinMode(DOUTpin, INPUT);//sets the pin as an input to the arduino  
pinMode(ledPin, OUTPUT);//sets the pin as an output of the arduino  
}  
  
void loop()  
{  
value= analogRead(AOUTpin);//reads the analaog value from the alcohol sensor's AOUT pin  
limit= digitalRead(DOUTpin);//reads the digital value from the alcohol sensor's DOUT pin  
Serial.print("Alcohol value: ");  
Serial.println(value);//prints the alcohol value  
Serial.print("Limit: ");  
Serial.print(limit);//prints the limit reached as either LOW or HIGH (above or underneath)  
delay(100);  
if (limit == HIGH){  
digitalWrite(ledPin, HIGH);//if limit has been reached, LED turns on as status indicator  
}  
else{  
digitalWrite(ledPin, LOW);//if threshold not reached, LED remains off  
}  
}