```
const int sensorPin = 34;  // GPIO 34 (for ESP32)
int sensorValue = 0;

const int upperThreshold = 2000;
const int lowerThreshold = 500;

void setup() {
  Serial.begin(115200);
  delay(1000);
  Serial.println("System initialized...");
}

void loop() {
  sensorValue = analogRead(sensorPin);

  if (sensorValue > upperThreshold) {
    Serial.println("ALERT: Sensor value too high!");
  }
  else if (sensorValue < lowerThreshold) {
    Serial.println("ALERT: Sensor value too low!");
  }

  Serial.print("Current sensor value: ");
  Serial.println(sensorValue);

  delay(500);
}
```