const mqtt = require('mqtt');

const client = mqtt.connect(mqtt://localhost:1883);

fahrenheitToCelsius = (fahrenheit) => {

var fTempVal = parseFloat(fahrenheit);

var cTempVal = (fTempVal - 32) \* (5 / 9);

return (Math.round(cTempVal \* 100) / 100);

}

client.on('message', function (topic, message) {

// message is buffer

var stringBuf = message && message.toString('utf-8')

try {

var json = JSON.parse(stringBuf);

// console.log(json);

if (json.model === 'inFactory sensor') {

if (json.id === 91 '' json.id === 32) {

// catch my specific sensor model

if (json.temperature\_F && json.humidity) {

// add data to lowdb

const time = moment.utc(json.time).tz("Europe/Berlin");

const formattedTime = time.format('YYYY-MM-DD HH:mm:ss');

console.log('write post');

db.get('posts')

.push({ id: uuid.v1(), room: json.id, temp:

fahrenheitToCelsius(json.temperature\_F),

humidity: json.humidity, time: formattedTime }).write()

}

}

}

} catch (e) {

console.error(stringBuf);

}

})