gk-concept-challenges

This repository contains responses of "GKConcept technical-challenges" of Thierry Baldo

Software

Current version of ESP-IDF is used (https://docs.espressif.com/projects/esp-idf/en/latest/esp32/get-started/)

Code should run on any ESP32 chip

Requirements:

- Wi-Fi Access Point
- for challenge6, a LED is connected to pin 13

External Servers

MQTT Broker which is "mqtt://public.mqtthq.com" which doesn't need an account.

To obtain current date, NPT server "pool.ntp.org" is used.

Using this MQTT Broker may fail sometimes.

Tests

To test MQTT, Software "mosquitto" has been used with this command:

```
mosquitto_pub -h public.mqtthq.com -p 1883 -t "/bigLebowski" -d
-m "who are you man ?"
```