Homework 4 - TinyOS

Cristian Moioli : 10560811

Mariano Pelagatti : 10522120

Repo link: https://github.com/MoioMan/IoT

Requirements to be met:

* Message structure

typedef nx\_struct my\_msg {

nx\_uint8\_t msg\_type;

nx\_uint16\_t msg\_counter;

nx\_uint16\_t value;

} my\_msg\_t;

* Mote #1 has a timer which starts at boot time, while mote #2
* Mote #1 sends periodic request (REQ) messages to mote #2 containing: message type (REQ) and an incremental counter
* The request has periodicity 1000ms
* Only on receipt of a request, mote #2 sends back a reply with: message type (RESP), the counter sent by mote #1 and a value read from the fake sensor
* Each message, REQ and RESP, must be acknowledged using the TinyOS built in ACK module