Question 1: has been fully answered in the file *main.py*

Question 2.4b):
A drone's heartbeat is a signal sent by the drone itself to affirm that it is still in contact with its base. A lose in this signal does not necessarily mean that the device is non-functional but it can be used as a troubleshooting measure.

Question 2.4a) - 2.6: have been answered in the file, *main.py*