**EE 499 – Lab 0**

Question 1) Files present on the lab0 foder and their function

* main.c: this is the main program where the main function is located. This program only prints out a few lines of code.
* Makefile: is a list of directives, which are used to build binary programs from the source code. In this case, the Makefile sets a number of variables that are necessary to compile the program. There are a few variables in this Makefile (RIOTBASE, APPLICATION, BOARD, CFLAGS, and QUIET).
* README.md: contains information about other files in a directory or archive. It is a users manual. It has a description on how to use the Makefile’s variables and detailed explanation of how it works.

Question 2)

Size of text: 20397

Size of data: 368

Size of bss: 47652

Question 3)

Javier Macossay

You are running RIOT on a(n) native board.

This board features a(n) native MCU.

Questions 4) Lines executed on TelosB

Javier Macossay

You are running RIOT on a(n) telosb board.

This board features a(n) msp430fxyz MCU.

Question 5)

* The code related to the target platform is located in the boards directory in the repository.
* The sys directory contains the implementation of the network stack. It is located in sys/net.

Question 6) The three essential variables that need to be defined in the Makefile are APPLICATION, it sets the name of the application, BOARD, set the platform that the code will be compile for, and RIOTBASE, indicates the path to the root location of RIOT-OS source files.

Question 7) The USEMODULE variable is needed to add a new module.

USEMODULE += sixlowpan