

EECS 2032

Lab 9
Fall 2019

In this lab, you will write an interrupt based application for the KL-43Z board

Pre Lab

Carefully read the interrupt and timers slides and chapter

Problem

Write an interrupt based application to do the following

Sw3 generates an interrupt to do the following

It turns the green LED ON and the red LED OFF, 2 seconds later the main code turns it off

Sw1 generates an interrupt, if the green LED is ON, do nothing, else turn the RED ON.

Demo and report as usual

Correction

Sw1 is connected to port A, a different interrupt handler.

Use instead pin 7 of PORT C, and the TA will set and float it to test your code

A good schematic is here <https://os.mbed.com/platforms/FRDM-KL43Z/>