**Date Submitted: 11/23/2018**

# Task 01: Submit a video of the demo.

For Lab 02 of the TI RTOS tutorials for the TIVA-C, we implemented given code changes to make an LED blink and explored a non-RTOS version of the code, using a basic while loop and delay between toggling the LED. The video of the demo is contained in the link below.

**Youtube Link:** **https://youtu.be/XZ7BZCUD7Jg**

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# Task 02: Modify the code to implement the below equation with 1000+ sample points to generate a frequency of 50 Hz.

**Youtube Link:** **https://youtu.be/-IPdRC5Aymg**

Note: The class lecture slides and the Lab 9 slides define two different equations.

For Task 02 I have modified the code to calculate the above equation. These data points could be fed to a DAC to closely reproduce the refenced function, depending on the accuracy of the DAC.

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