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Lab 1 Worksheet - Intro to K64F GPIO

This lab exercise was focused around getting familiar with the K64F chip and its GPIO functionality. Specifically, using the on-board RGB LED to create different colors.

GPIOx_PDOR - a bitfield that contains the logic levels for all pins in a GPIO port

GPIOx_PSOR - a bitfield that is used to set pins in a specific port to high logic level

GPIOx_PCOR - a bitfield that is used to set pins in a specific port to low logic level

GPIOx_PTOR - a bitfield that is used to toggle the logic level of pins on a specific port

if(GPIOx_PDIR == <value>) - reads the logic level on a port to determine which pins are logic high/low