Binary Semaphore Lab

2 tasks: semaphoreTask, periodicTask

- Task with higher priority is **semaphoreTask**, this is not the handler task of the interrupt, semaphoreTask will take the binary semaphores from interrupt handler function, interrupt handler function which is based on GPIO switch interrupt (when pressed), this interrupt handler function will give binary semaphore with "Semaphore Give From ISR" (only used in ISR), (which differs from normal "Semaphore Give" function). When semaphore is successfully taken, BLUE LED is toggled. Task is blocked on semaphore.
- There is also another **periodicTask** with lower priority, which blinks the RED LED each 1 second.

Note: A task which is blocked on a specific interrupt (event), is called "Deferred interrupt".