

Exercise 13 Rendezvous

In this project we will create two tasks and make sure that they have reached a semaphore rendezvous before running the LED functions.

In the Pack Installer select “Ex 13 Rendezvous” and copy it to your tutorial directory.

Build the project and start the debugger.

Open the Peripherals\General Purpose IO\GPIOB window.

Run the code

Initially the semaphore code in each of the LED tasks is commented out. Since the threads are not synchronised the GPIO pins will toggle randomly.

Exit the debugger

Un-comment the semaphore code in the LED tasks.

Built the project and start the debugger.

Run the code and observe the activity of the pins in the GPIOB window.

Now the tasks are synchronised by the semaphore and run the LED functions ‘concurrently’.