**2018.05.15.Tue**

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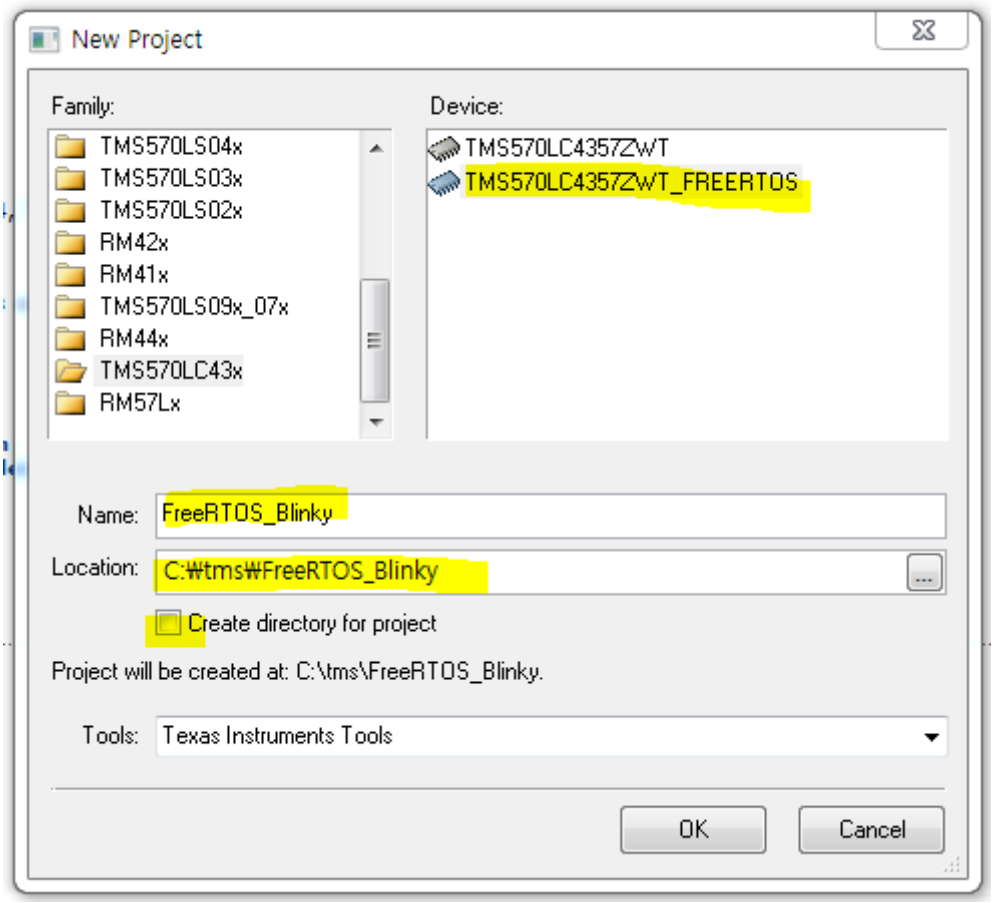
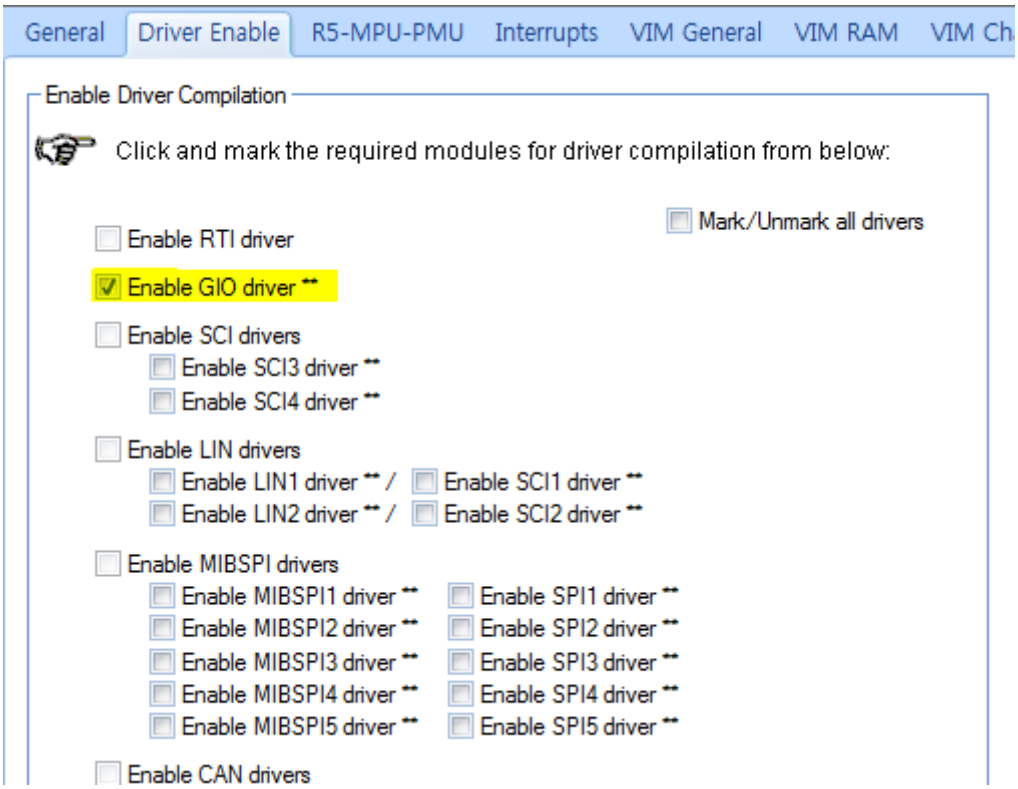
|---|---|---|---|
| **노트북:** | SW | | |
| **만든 날짜:** | 2018-05-15 오후 3:18 | **수정한 날짜:** | 2018-05-15 오후 3:40 |
| **작성자:** | 정상요 | | |

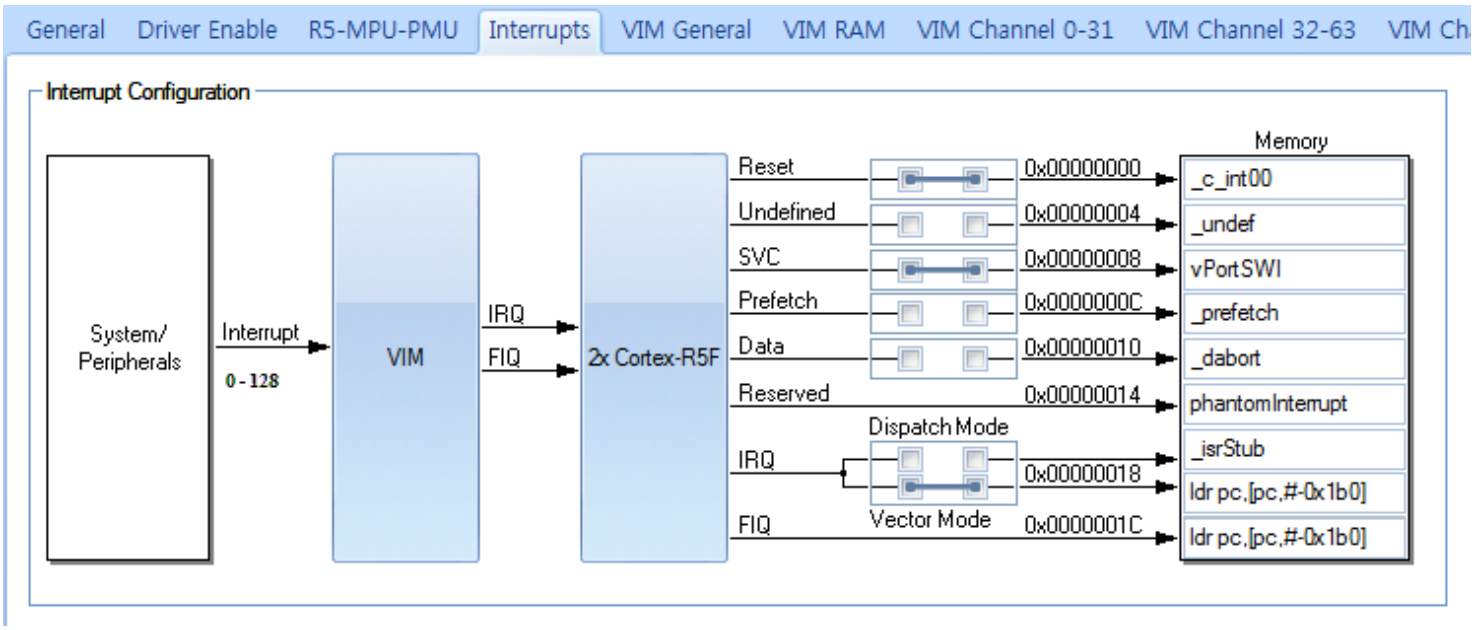
RTOS

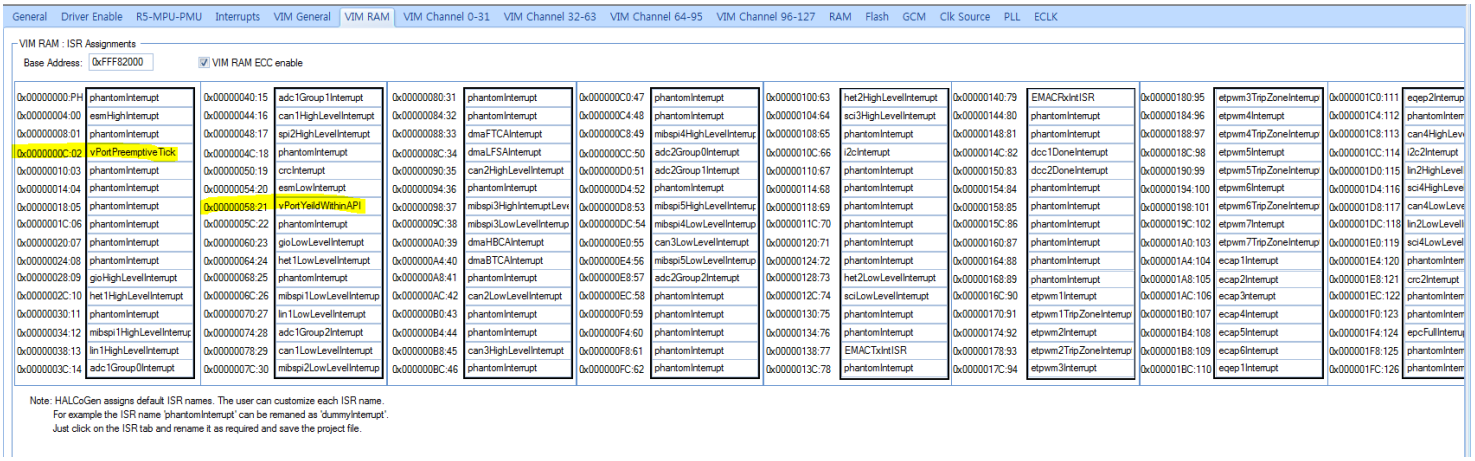



FreeRTOS로 설정

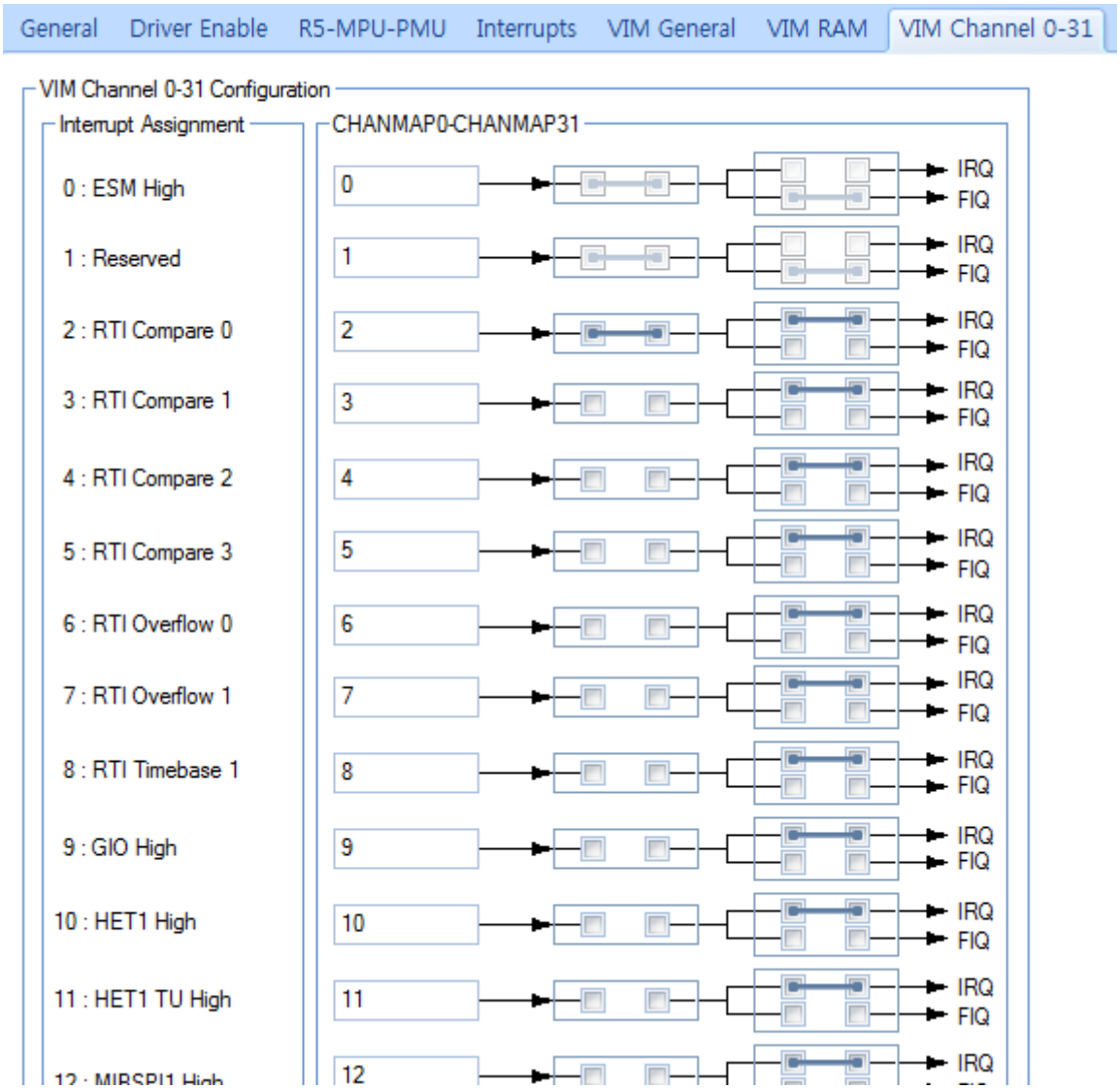


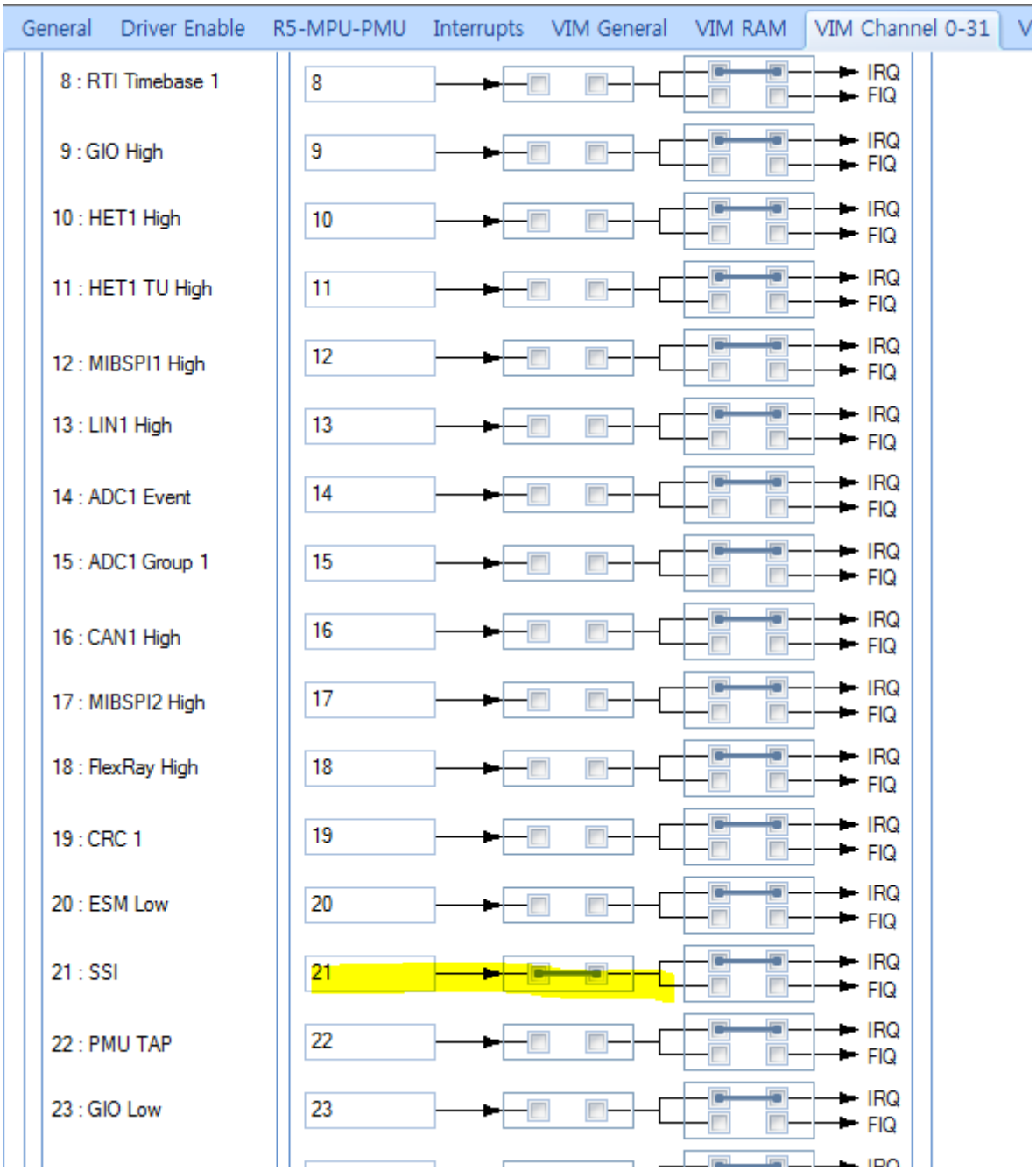

Enable GIO driver만 set



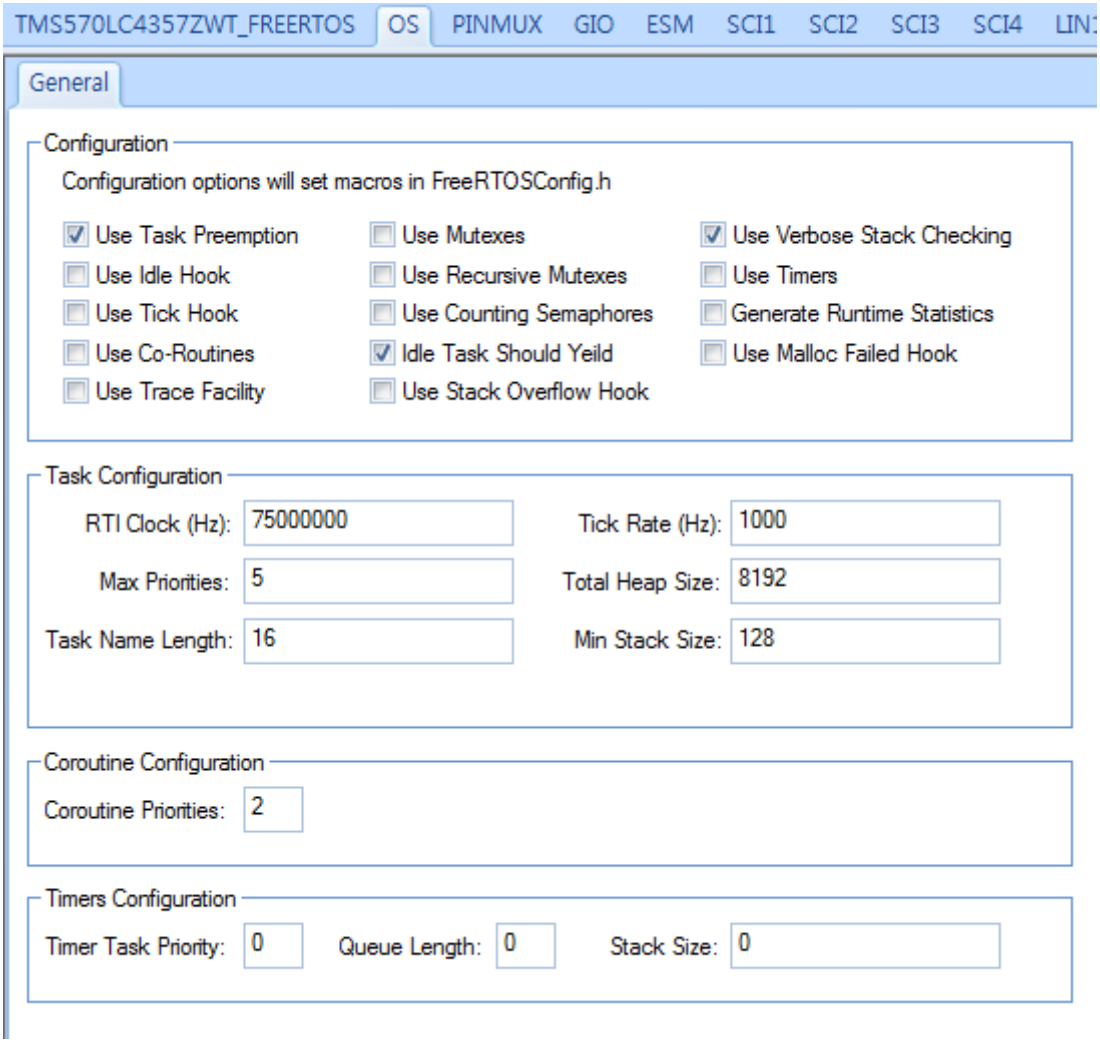



IVT(Interrupt Vector Table)라고 생각하면 된다.






2번, 21번 set 양보를 의미




Use Verbose Stack Checking -> Stack이 깨지는지 확인

이제 Generate Code

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CCS에서 Source Code 작성

```
#include "HL_sys_common.h"
#include "FreeRTOS.h"
#include "os_task.h"
#include "HL_het.h"
#include "HL_gio.h"
xTaskHandle xTask1Handle;
void vTask1(void* pvParameters)
{
    for(;;)
    {
        /* Taggle HET[1] with timer tick */
        gioSetBit(hetPORT1, 17, gioGetBit(hetPORT1, 17) ^ 1);
        vTaskDelay(100);
    }
}
void main(void)
{
    /* Set High end timer GIO port hetPort pin direction to all output */
    gioSetDirection(hetPORT1, 0xFFFFFFFF);
    /* Create Task1 */
    if (xTaskCreate(vTask1, "Task1", configMINIMAL_STACK_SIZE, NULL, 1, &xTask1Handle) != pdTRUE
)
    {
```

```
        /* Task could not be created */
        while(1);
    }
    /* Start Scheduler */
    vTaskStartScheduler();
    /* Run forever */
    while(1);
}
```