

vTaskSuspend and vTaskResume

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#include<stdio.h>
#include<FreeRTOS.h>
#include<task.h>

TaskHandle_t mytaskHandle = NULL;
TaskHandle_t mytaskHandle2 = NULL;
TaskHandle_t mytaskHandle3 = NULL;
void mytask3(void* p)
{
    int c = (int*)p;
    while (c++<100)
    {
        printf("\nWelcome to KJSCE from Task3:");
        vTaskSuspend(mytaskHandle);
        printf("\nTask 1 susended:");
        vTaskDelay(1000 * configTICK_RATE_HZ / 1000);
        printf("\nResuming Task 1:");
        vTaskResume(mytaskHandle);
    }
    fflush(stdout);
}

void mytask2(void* p)
{
    int count = (int*)p;
    while (1)
    {
        printf("\nWelcome to KJSCE from Task2: %d", count++);
        vTaskDelay(100);
        if (count == 70)
            xTaskCreate(mytask3, "task3", 128, (void*)count, 1, &mytaskHandle3);
        if (count == 90)
            vTaskDelete(mytaskHandle2);
    }
    fflush(stdout);
}

void mytask1(void* p)
{
    int count = (int *)p;
    while (1)
    {
        printf("\nWelcome to KJSCE from Task1 : %d", count++);
        vTaskDelay(100);
        if (count ==50)
            xTaskCreate(mytask2, "task2", 128, (void*)count, 1, &mytaskHandle2);
        else if (count == 80)
        {
            vTaskDelete(mytaskHandle);
        }
    }
}
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        vTaskDelete(mytaskHandle3);
    }
}
fflush(stdout);

}

void main_blinky(void)
{
    int pass = 30;
    xTaskCreate(mytask1, "task1", 128, (void*)pass, 1, &mytaskHandle);
    vTaskStartScheduler();
    while (1)
    {
        printf("My idle task");
        //no work
    }
}

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Welcome to KJSCE from Task1 : 30
Welcome to KJSCE from Task1 : 31
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Welcome to KJSCE from Task2: 80
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Welcome to KJSCE from Task3:
Task 1 susended:

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