Assignment 1 Report

Output Screenshot:

Code:

```c
void task1()
{
    while (1)
    {
        printf("This is task 1\n");
        fflush(stdout);
        vTaskDelay(100);
    }
}

void task2()
{
    while (1)
    {
        printf("This is task 2\n");
        fflush(stdout);
        vTaskDelay(500);
    }
}

int main( void )
{
    /* This demo uses heap_5.c, so start by defining some heap regions.  heap_5
    is only used for test and example reasons.  Heap_4 is more appropriate.
See
    http://www.freertos.org/a00111.html for an explanation. */
    prvInitialiseHeap();

    /* Initialise the trace recorder.  Use of the trace recorder is optional.
    See http://www.FreeRTOS.org/trace for more information. */
    vTraceEnable( TRC_START );

    xTaskHandle Htask1;
    xTaskHandle Htask2;

    xTaskCreate(task1, "Task1", 1000, NULL, 3 ,&Htask1);
    xTaskCreate(task2, "Task2", 100, NULL, 1, &Htask2);

    vTaskStartScheduler();
    for (;;);
    return 0;
}
```