

**Sanket Vinod Agarwal**

**Assignment 1**

**Git: <https://github.tamu.edu/agarwal-220196/FreeRTOS.git>**

This assignment makes us familiar with the FreeRTOS Api and installation of visual studio. The only challenge that I faced was in declaring the handles for task 1 and task 2. Task 1 is created first and then task 2. Since task 2 has a higher priority, it preempts task1 and task 2 is executed. The period of task 2 is 500, the other job of task 2 is not executed until 500 milliseconds have passed. In this mean time, task 1 is executed every 100 milli second. As soon as Task 2 arrives it again gets preempted and task 2 gets executed. Then this pattern gets repeated. The code is as attached in the zip file.

**OUTPUT:**

```
C:\Users\agarw\OneDrive\Documents\study\FreeRTOS\Assignment 1_ hello world\FreeRTOSv10.0.1\FreeRTOS\Demo\WIN32-MSVC\...
This is Task 1
This is Task 2
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 2
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 2
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 2
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 2
This is Task 1
This is Task 1
This is Task 1
This is Task 1
This is Task 2
This is Task 1
This is Task 1
This is Task 1
This is Task 1
```