PROJE DETAYLARI

Ödevde yapamadığım kısmı öncelikle bahsetmek istiyorum. Test4.asm dosyasındaki istenenleri tam anlamıyla yapamadığımdan eksiklikler olabilir. Diğer işlemleri istediğiniz gibi yaptığımı düşünüyorum, zannediyorum. Ödevde 4 ayrı debug seçeneği bulunmaktadır. Sizin istediğinizden ayrı olarak debug mode 4 ü ekledim. Beş farklı assembly dosyası ve bu dosyalardan üretilen com dosyaları oluşturdum. Önceki ödevde yapılan diğer assembly ve com dosyalarını da ödev dosyasına ekledim. Aşağıda örnek çıktılar üzerinden debug seçenekleri gösterilmektedir:

1. Test1 ve Debug 1

2. Test2 ve Debug 3

```
================== Running thread ID :1  Cpu cycle :14104 ==================
_____ PRINT_B _____
46
Cpu cycle time :14158
<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>
ThreadID :1
stateOfTheThread :Blocked
startingCycle :98
Switch occur count :72
Thread is Alive?
 -YES
<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>

================== Running thread ID :2  Cpu cycle :14202 ==================
_____ PRINT_B _____
96
Cpu cycle time :14256
<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>
ThreadID :2
stateOfTheThread :Blocked
startingCycle :310
Switch occur count :72
Thread is Alive?
 -YES
<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>

================== Running thread ID :1  Cpu cycle :14354 ==================
_____ PRINT_B _____
47
Cpu cycle time :14364
<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>
ThreadID :1
stateOfTheThread :Blocked
startingCycle :98
Switch occur count :73
Thread is Alive?
 -YES
<<<<<<<<<<<<<<<<<<<<<<<<<<<>>>>>>>>>>>>>>>>>>>>>>>>>>

================== Running thread ID :2  Cpu cycle :14462 ==================
```

3. Test3 ve Debug 2

```
Switch the another thread, it's ID :2

================== Running thread ID :2  Cpu cycle :73472 ==================
_____ PRINT_B _____
98
Blocked thread ID :2 and it's used cycle :7502
Switch the another thread, it's ID :3

================== Running thread ID :3  Cpu cycle :73560 ==================
_____ PRINT_B _____
98
Blocked thread ID :3 and it's used cycle :7502
Switch the another thread, it's ID :4

================== Running thread ID :4  Cpu cycle :73648 ==================
_____ PRINT_B _____
98
Blocked thread ID :4 and it's used cycle :7502
Switch the another thread, it's ID :5

================== Running thread ID :5  Cpu cycle :73736 ==================
_____ PRINT_B _____
98
Blocked thread ID :5 and it's used cycle :7502
Switch the another thread, it's ID :6

================== Running thread ID :6  Cpu cycle :73824 ==================
_____ PRINT_B _____
98
Blocked thread ID :6 and it's used cycle :7502
Switch the another thread, it's ID :7

================== Running thread ID :7  Cpu cycle :73912 ==================
_____ PRINT_B _____
98
Blocked thread ID :7 and it's used cycle :7502
Switch the another thread, it's ID :8

================== Running thread ID :8  Cpu cycle :74000 ==================
_____ PRINT_B _____
98
```

4. Test4 ve Debug 0

```
================= Running thread ID :2  Cpu cycle :34775 =================
_____ GET_RND _____
Generated random bytes :10100001

================= Running thread ID :1  Cpu cycle :34903 =================
_____ PRINT_B _____
161

================= Running thread ID :2  Cpu cycle :35025 =================
_____ GET_RND _____
Generated random bytes :11111110

================= Running thread ID :1  Cpu cycle :35257 =================
_____ PRINT_B _____
161

================= Running thread ID :2  Cpu cycle :35374 =================
_____ GET_RND _____
Generated random bytes :00001111

================= Running thread ID :1  Cpu cycle :35513 =================
_____ PRINT_B _____
161

================= Running thread ID :2  Cpu cycle :35620 =================
_____ PRINT_B _____
15

================= Running thread ID :1  Cpu cycle :35866 =================
_____ GET_RND _____
Generated random bytes :00010100

================= Running thread ID :2  Cpu cycle :35983 =================
_____ PRINT_B _____
15

================= Running thread ID :1  Cpu cycle :36120 =================
_____ GET_RND _____
Generated random bytes :00100100

================= Running thread ID :1  Cpu cycle :36470 =================
```

5. Test5 ve Debug 4

Cpu adım adım gözlenir. Her emulate edildiğinde çalıştırılan thread numarası ve cycle count ekrana bastırılır. İstenen işlemler tam olarak yapılmaktadır.

```
_____ PRINT_B _____
50

================= Running thread ID :1  Cpu cycle :31442 =================

================= Running thread ID :1  Cpu cycle :31446 =================

================= Running thread ID :1  Cpu cycle :31456 =================

================= Running thread ID :1  Cpu cycle :31466 =================

================= Running thread ID :1  Cpu cycle :31476 =================

================= Running thread ID :1  Cpu cycle :31486 =================

================= Running thread ID :1  Cpu cycle :31496 =================

================= Running thread ID :1  Cpu cycle :31501 =================

================= Running thread ID :1  Cpu cycle :31506 =================

================= Running thread ID :1  Cpu cycle :31513 =================

================= Running thread ID :1  Cpu cycle :31530 =================

================= Running thread ID :1  Cpu cycle :31541 =================

================= Running thread ID :1  Cpu cycle :31552 =================

================= Running thread ID :1  Cpu cycle :31563 =================
_____ TYIELD _____

================= Running thread ID :2  Cpu cycle :31614 =================

================= Running thread ID :2  Cpu cycle :31618 =================

================= Running thread ID :2  Cpu cycle :31628 =================

================= Running thread ID :2  Cpu cycle :31638 =================

================= Running thread ID :2  Cpu cycle :31648 =================
```

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