

Operating Systems (CT-353) Lab 03

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CODE:

```
#include <stdio.h>

#include <stdlib.h>

#include <pthread.h>

void *func1(void *ptr);

void *func2(void *ptr);

int main() {

    pthread_t thread1, thread2;

    char *message1 = "Thread 1";

    char *message2 = "Thread 2";

    int iret1, iret2;

    iret1 = pthread_create(&thread1, NULL, func1, (void *)message1);

    iret2 = pthread_create(&thread2, NULL, func2, (void *)message2);

    pthread_join(thread1, NULL);

    pthread_join(thread2, NULL);

    printf("Thread 1 returns: %d\n", iret1);

    printf("Thread 2 returns: %d\n", iret2);

    exit(0);

}

void *func1(void *ptr) {

    int i;

    for (i = 0; i < 3; i++) {

        sleep(1);

        printf("Thread 1, iteration %d\n", i);
```

```

    }

    return NULL;
}

void *func2(void *ptr) {

    int i;

    for (i = 0; i < 3; i++) {

        sleep(3);

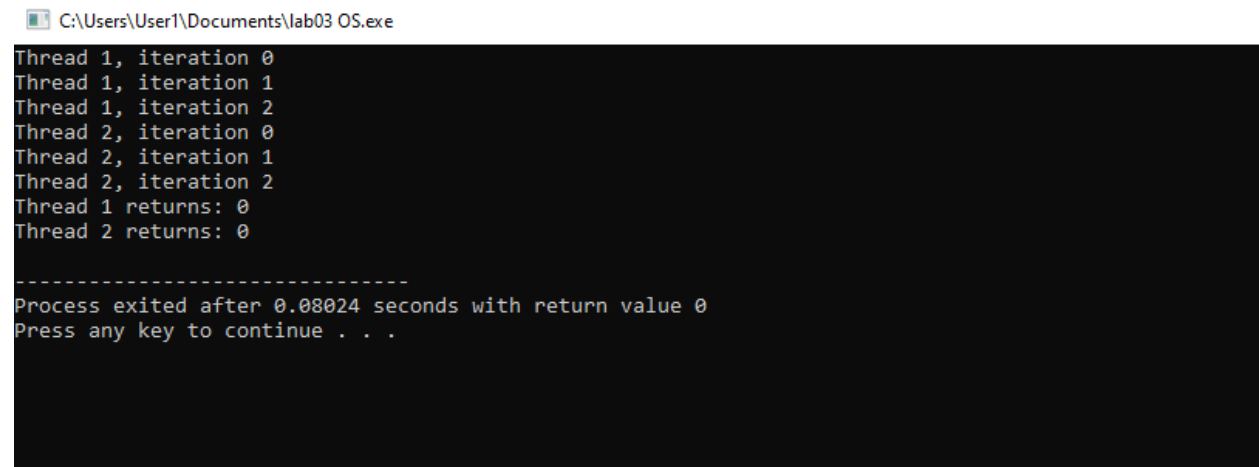
        printf("Thread 2, iteration %d\n", i);

    }

    return NULL;
}

```

OUTPUT:



```

C:\Users\User1\Documents\lab03 OS.exe
Thread 1, iteration 0
Thread 1, iteration 1
Thread 1, iteration 2
Thread 2, iteration 0
Thread 2, iteration 1
Thread 2, iteration 2
Thread 1 returns: 0
Thread 2 returns: 0

-----
Process exited after 0.08024 seconds with return value 0
Press any key to continue . . .

```