

Name: Syeda Fatima Naqvi (DT-22008)
Course: Operating System (CT-353)

LAB 03

Lab Question

Code:

```
#include <stdio.h>
#include <stdlib.h>
#include <pthread.h>

void *func1(void *ptr);
void *func2(void *ptr);
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*) message1);

    pthread_join( thread1, NULL);
    pthread_join( thread2, NULL);
    printf("\n\nThread 1 returns: %d\n",iret1);
    printf("\nThread 2 returns: %d\n",iret2);
    exit(0);
}
```

```
}  
void *func1(void *ptr) {  
    for (int i = 0; i < 6; i++) {  
        printf("\nfunc1 %d", i);  
        sleep(1);  
    }  
}
```

```
void *func2(void *ptr) {  
    for (int i = 0; i < 6; i++) {  
        printf("\nfunc2 %d", i);  
        sleep(3);  
    }  
}
```

Output:

```
func1 0
func2 0
func1 1
func1 2
func2 1
func1 3
func1 4
func1 5
func2 2
func2 3
func2 4
func2 5

Thread 1 returns: 0

Thread 2 returns: 0

-----
Process exited after 18.13 seconds with return value 0
Press any key to continue . . .
```