

Operating System Lab 3

Name: Ebaad khan

Roll No: DT-22045

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;

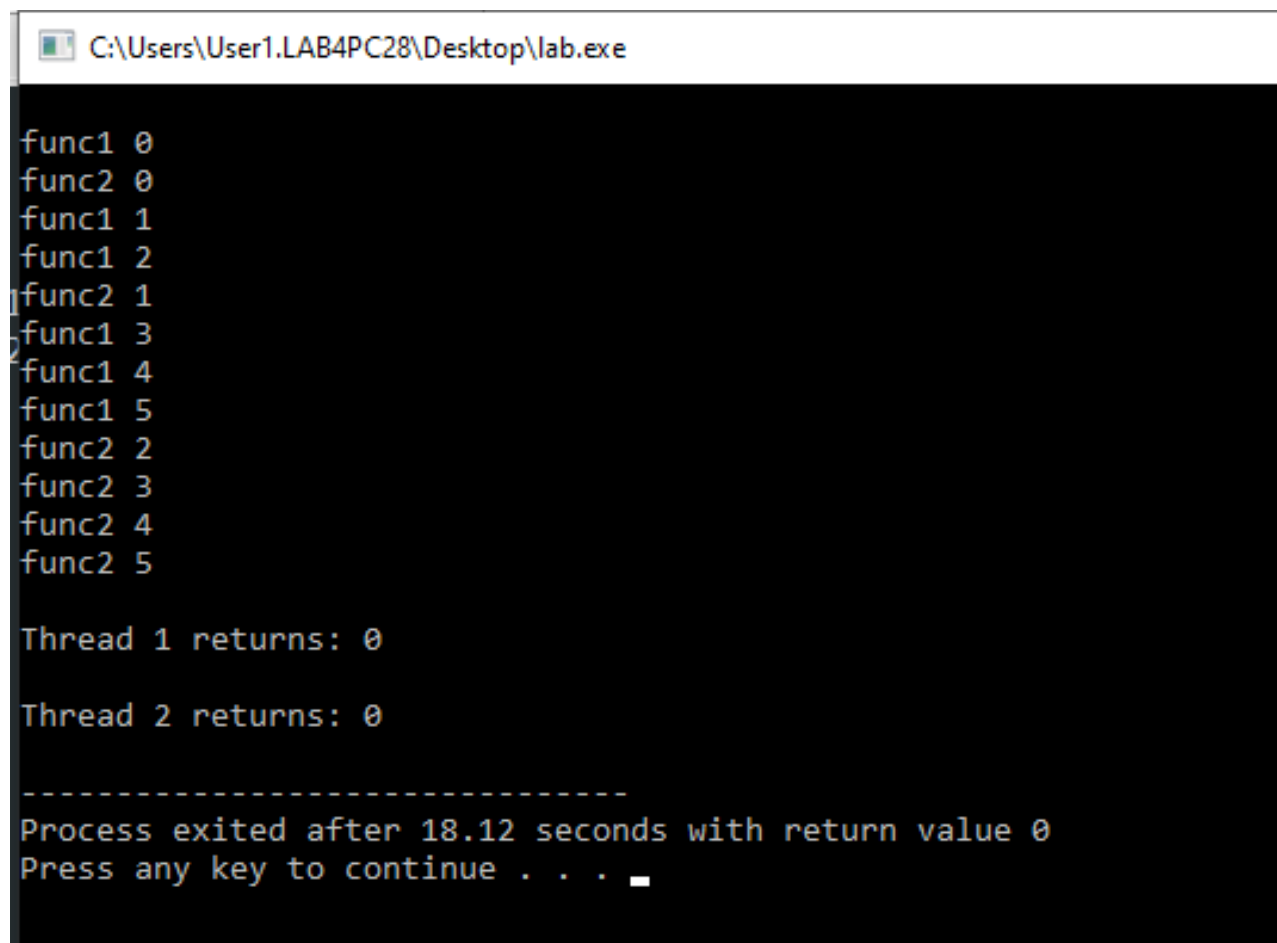
    iret1 = pthread_create( &thread1, NULL, func1,
        (void*) message1);
    iret2 = pthread_create( &thread2, NULL, func2,
        (void*) message1);

    pthread_join( thread1, NULL);
    pthread_join( thread2, NULL);
    printf("\n\nThread 1 returns: %d\n",iret1);
    printf("\n\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:



```
C:\Users\User1.LAB4PC28\Desktop\lab.exe  
  
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 18.12 seconds with return value 0  
Press any key to continue . . .
```