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**Operating System Lab 3**

**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);

}

}



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:**