

## **EXP 19**

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

```
pthread_t tid[2];
int counter;
```

```
void* trythis(void* arg)
{
    unsigned long i = 0;
    counter += 1;
    printf("\n Job %d has started\n", counter);

    for (i = 0; i < (0xFFFFFFFF); i++)
        ;
    printf("\n Job %d has finished\n", counter);

    return NULL;
}
```

```
int main(void)
{
    int i = 0;
    int error;

    while (i < 2) {
        error = pthread_create(&(tid[i]), NULL, &trythis, NULL);
        if (error != 0)
            printf("\nThread can't be created : [%s]", strerror(error));
        i++;
    }

    pthread_join(tid[0], NULL);
    pthread_join(tid[1], NULL);

    return 0;
}
```

Job 1 has started

Job 2 has started

Job 2 has finished

Job 2 has finished

-----  
Process exited after 1.597 seconds with return value 0  
Press any key to continue . . . |