

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <unistd.h>
4  #include <pthread.h>
5
6  #define THREAD_FUNC(f) (void*)(*)(void*)f
7
8  void threadA( int * px )
9  {
10     int i;
11     for ( i=0; i<10; ++i )
12     {
13         ++(*px);
14         printf( "Je suis le thread A et x vaut %d\n", *px );
15         sleep( 1 );
16     }
17     pthread_exit( NULL );
18 }
19
20 void threadB( int * px )
21 {
22     int i;
23     for ( i=0; i<10; ++i )
24     {
25         --(*px);
26         printf( "Je suis le thread B et x vaut %d\n", *px );
27         sleep( 1 );
28     }
29     pthread_exit( NULL );
30 }
31
32 int main()
33 {
34     int x = 0;
35     pthread_t ta, tb;
36     pthread_create( &ta, NULL, THREAD_FUNC( threadA ), (void*)&x );
37     pthread_create( &tb, NULL, THREAD_FUNC( threadB ), (void*)&x );
38     pthread_join( ta, NULL );
39     pthread_join( tb, NULL );
40     return 0;
41 }
```