

```
1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <unistd.h>
4  #include <pthread.h>
5
6  int x = 0;
7
8  #define THREAD_FUNC(f) (void(*)(*)(void*))f
9
10 void threadA( )
11 {
12     int i;
13     for ( i=0; i<10; ++i )
14     {
15         ++x;
16         printf( "Je suis le thread A et x vaut %d\n", x );
17         sleep( 1 );
18     }
19     pthread_exit( NULL );
20 }
21
22 void threadB( )
23 {
24     int i;
25     for ( i=0; i<10; ++i )
26     {
27         --x;
28         printf( "Je suis le thread B et x vaut %d\n", x );
29         sleep( 1 );
30     }
31     pthread_exit( NULL );
32 }
33
34 int main()
35 {
36     pthread_t ta, tb;
37     pthread_create( &ta, NULL, THREAD_FUNC( threadA ), NULL );
38     pthread_create( &tb, NULL, THREAD_FUNC( threadB ), NULL );
39     pthread_join( ta, NULL );
40     pthread_join( tb, NULL );
41     return 0;
42 }
```