

Pthread Creation and Termination Example

```
1 #include <pthread.h>
2 #include <stdio.h>
3 #define NUM_THREADS    5
4
5 void *PrintHello(void *threadid)
6 {
7     long tid;
8     tid = (long)threadid;
9     printf("Hello World! It's me, thread #%ld!\n", tid);
10    pthread_exit(NULL);
11 }
12
13 int main (int argc, char *argv[])
14 {
15     pthread_t threads[NUM_THREADS];
16     int rc;
17     long t;
18     for(t=0; t<NUM_THREADS; t++){
19         printf("In main: creating thread %ld\n", t);
20         rc = pthread_create(&threads[t], NULL, PrintHello, (void *)t);
21         if (rc){
22             printf("ERROR; return code from pthread_create() is %d\n", rc);
23             exit(-1);
24         }
25     }
26
27     /* Last thing that main() should do */
28     pthread_exit(NULL);
29 }
```