/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* FILE: hello.c

\* DESCRIPTION:

\* A "hello world" Pthreads program. Demonstrates thread creation and

\* termination.

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#include <pthread.h>

#include <stdio.h>

#include <stdlib.h>

#define NUM\_THREADS 5

void \*PrintHello(void \*threadid)

{

long tid;

tid = (long)threadid;

printf("Hello World! It's me, thread #%ld!\n", tid);

pthread\_exit(NULL);

}

int main(int argc, char \*argv[])

{

pthread\_t threads[NUM\_THREADS];

int rc;

long t;

for(t=0;t<NUM\_THREADS;t++){

printf("In main: creating thread %ld\n", t);

rc = pthread\_create(&threads[t], NULL, PrintHello, (void \*)t);

if (rc){

printf("ERROR; return code from pthread\_create() is %d\n", rc);

exit(-1);

}

}

/\* Last thing that main() should do \*/

pthread\_exit(NULL);

}