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* FILE: hello_arg3.c
* DESCRIPTION:
   This "hello world" Pthreads program demonstrates an unsafe (incorrect)
   way to pass thread arguments at thread creation. In this case, the
   argument variable is changed by the main thread as it creates new threads.
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#include <pthread.h>
#include <stdio.h>
#include <stdlib.h>
#define NUM_THREADS
void *PrintHello(void *threadid)
{
  long taskid;
  sleep(1);
  taskid = *(long *)threadid;
  printf("Hello from thread %ld\n", taskid);
  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++) {</pre>
 printf("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);
  }
pthread_exit(NULL);
```