```c
#include <pthread.h>
#include <stdlib.h>
#include <unistd.h>
#include <stdio.h>

void *thread_function(void *arg){
  int i;
  for( i=0; i<20; i++ ){
    printf("Thread says hi!\n");
    sleep(1);
  }
  return NULL;
}

int main(void){
  pthread_t mythread;
  if(pthread_create(&mythread, NULL, thread_function, NULL)){
    printf("error creating thread.");
    abort();
  }

  if(pthread_join(mythread, NULL)){
    printf("error joining thread.");
    abort();
  }
  exit(0);
}
```