Northern Michigan University (Marquette Co, MI)
CS426-01-26F: Operating Systems
Practice Quiz 6: Thursday 22 October 2026 3:00 P.M. EDT
Time: 15 minutes

Write a program in C, using only low-level system calls, that creates a thread. The main thread then reads a string from standard input (and you can use readstring for this). When the main thread is read, the new thread then prints out that exact same string to standard output. The main shouldn't die until the new thread does.

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```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <pthread.h>
#include <unistd.h>
#include <fcntl.h>

int PROCEED = 0;
char *buf;
int len;

void *thread_method (void *arg);

int main (int argc, char **argv) {

 pthread_t th;
 void *result;
 pthread_create (&th,NULL,thread_method,NULL);
 buf = readstring (0,&len);
 PROCEED = 1;
 pthread_join (th,&result);
 return 0;
}


void *thread_method (void *arg) {

 while (!PROCEED);
 write (0,buf,len);
 return NULL;
}
```