新建一个文件：touch download.c

xin

#include <pthread.h>

#include <stdio.h>

#include <stdlib.h>

#define NUM\_OF\_TASKS 5

void \*downloadfile(void \*filename)

{

printf("I am downloading the file %s!\n", (char \*)filename);

sleep(10);

long downloadtime = rand()%100;

printf("I finish downloading the file within %d minutes!\n", downloadtime);

pthread\_exit((void \*)downloadtime);

}

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

{

char files[NUM\_OF\_TASKS][20]={"file1.avi","file2.rmvb","file3.mp4","file4.wmv","file5.flv"};

pthread\_t threads[NUM\_OF\_TASKS];

int rc;

int t;

int downloadtime;

pthread\_attr\_t thread\_attr;

pthread\_attr\_init(&thread\_attr);

pthread\_attr\_setdetachstate(&thread\_attr,PTHREAD\_CREATE\_JOINABL);

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

printf("creating thread %d, please help me to download %s\n", t, files[t]);

rc = pthread\_create(&threads[t],&thread\_attr,downloadfile,(void \*)files[t]);

if (rc){

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

exit(-1);

}

}

pthread\_attr\_destroy(&thread\_attr);

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

pthread\_join(threads[t],(void\*\*)&downloadtime);

printf("Thread %d downloads the file%s in %d minutes.\n",t,files[t],downloadtime);

}

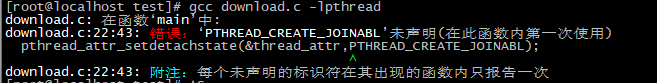
pthread\_exit(NULL);

}

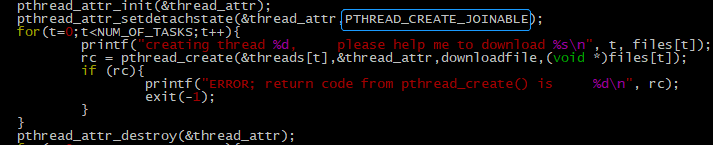
# 编译

gcc download.c –lpthread

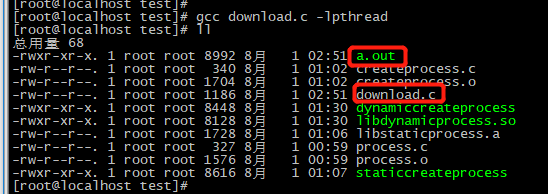
报错！！



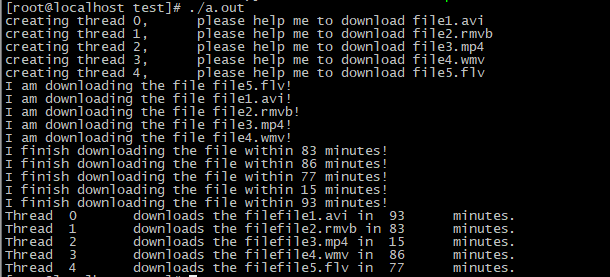
原来如此 少一个 E ，加上就行了。



# 编译

gcc download.c -lpthread

执行

./a.out