/\*

\* redirect\_out.c : check for >

\*/

#include <unistd.h>

#include <fcntl.h>

#include <errno.h>

#include <string.h>

#include <stdio.h>

#include <stdlib.h>

#include "shell.h"

#define STD\_OUTPUT 1

#define STD\_INPUT 0

/\*

\* Look for ">" in myArgv, then redirect output to the file.

\* Returns 0 on success, sets errno and returns -1 on error.

\*/

//cat 123 > mess

int redirect\_out(char \*\* myArgv) {

int i;

int fd;

/\* search forward for >

\* Fill in code. \*/

int number=1;

for(i=0;myArgv[i]!=NULL;i++){

if(myArgv[i] == NULL) break;

number = strcmp(myArgv[i],">");

if(number == 0) break;

}

if (myArgv[i]) { /\* found ">" in vector. \*/

/\* 1) Open file.

\* 2) Redirect to use it for output.

\* 3) Cleanup / close unneeded file descriptors.

\* 4) Remove the ">" and the filename from myArgv.

\*

\* Fill in code. \*/

/\* Open file \*/

fd = open(myArgv[i+1],O\_RDWR|O\_CREAT|O\_APPEND,0644);//EX:open cat 123>mess =myArgv[0] myArgv[1] myArgv[2] myArgv[3]

if( fd < 0){

perror("open");

exit(1);

}

/\* Redirect to use it for output. \*/

dup2(fd,STD\_OUTPUT); //0 stdin 標準輸入 ,1 stdout 標準輸出 ,2 stderr 標準錯誤\*/

/\*Cleanup / close unneeded file descriptors\*/

close(fd);

/\*Remove the ">" and the filename from myArgv\*/

myArgv[i]=NULL; //memset(myArgv[i],'\0',1);

}

return 0;

}