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Account: swyckoff1  
CSc 3320  
Program #4  
Due date: 10/20/16

Script started on Thu 10 Nov 2016 12:47:20 PM EST

[GSUAD\swyckoff1@snowball ~]$ cat hmwk4\_swyckoff1.c

/\*hmwk4\_wyckoff1.c

\*

\* \* Stephanie Wyckoff

\* \* Account: swyckoff1

\* \* CSc 3320

\* \* Program 4

\* \* Due date:11/10/16

\* \*

\* \* Description: Program attempts to open file for reading. If it can be opened, close it and return a 0, else return 1 and quit program.

\* \*

\* \* Input: File name: oldfile.c

\* \*

\* \* Output: If one of the parameters is -h, then print help file and exit. Else, copy oldfile.c to newfile.c

\*/

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

void help(void){

printf("This program takes in two file names. The first file is an input f ile which the program will check to make sure it exists and the second is the ou tput file. If the user passes \"-h\" to the program,or does not specify two fil enames, the help message appears and program ends.");

exit(0);

}

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

FILE \*infile;

FILE \*outfile;

int read;

//if less than 3 parameters are passed to the program

if(argc !=3){

help();

}

//if the infile file does not exist

if((infile = fopen(argv[1], "rb")) == NULL){

help();

}

//if the outfile does not exist

if((outfile = fopen(argv[2], "wb")) == NULL){

help();

}

int a = strcmp(argv[0], "-h");

int b = strcmp(argv[1], "-h");

int c = strcmp(argv[2], "-h");

//if -h is passed as a parameter

if(a == 0 || b == 0 || c == 0){

help();

}

while((read = getc(infile)) != EOF){

putc(read, outfile);

}

fclose(infile);

fclose(outfile);

return 0;

}

[GSUAD\swyckoff1@snowball ~]$ cat oldfile.c

This program takes in two file names. The first file is an input file which the program will check to make sure it exists and the second is the output file. If the user passes "-h" to the program,or does not specify two filenames, the help message appears and program ends.

[GSUAD\swyckoff1@snowball ~]$ cat newfile.c

[GSUAD\swyckoff1@snowball ~]$ gcc hmwk4\_swyckoff1.c -o hmwk4\_swyckoff1

[GSUAD\swyckoff1@snowball ~]$ ./hmwk4\_swyckoff1 oldfile.c > newfile.c

[GSUAD\swyckoff1@snowball ~]$ cat newfile.c

This program takes in two file names. The first file is an input f ile which the program will check to make sure it exists and the second is the ou tput file. If the user passes "-h" to the program,or does not specify two fil enames, the help message appears and program ends.[GSUAD\swyckoff1@snowball ~]$ ./hmwk4\_swyckoff1 oldfile.c -h

This program takes in two file names. The first file is an input f ile which the program will check to make sure it exists and the second is the ou tput file. If the user passes "-h" to the program,or does not specify two fil enames, the help message appears and program ends.[GSUAD\swycko[GSUAD\swyckoff1@snowball ~]$ mail -s "homework 4" sakkineni1@student.gsu.edu < hmwk4\_swyckoff1.c

[GSUAD\swyckoff1@snowball ~]$ exit

exit

Script done on Thu 10 Nov 2016 12:49:19 PM EST