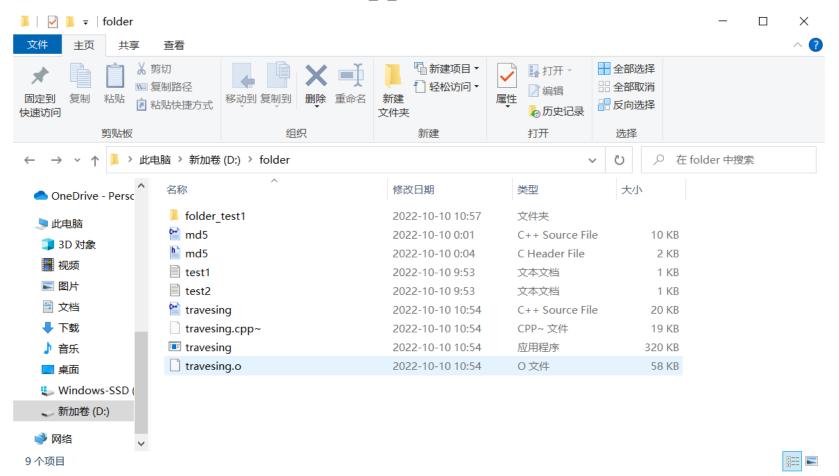
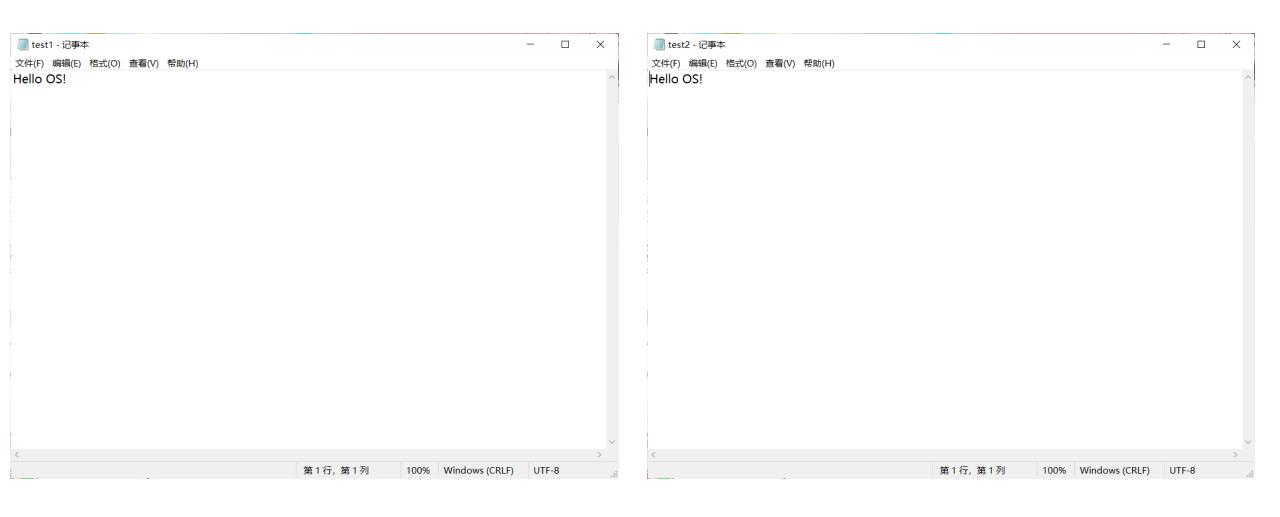
# 遍历文件夹并删除重复文件程序

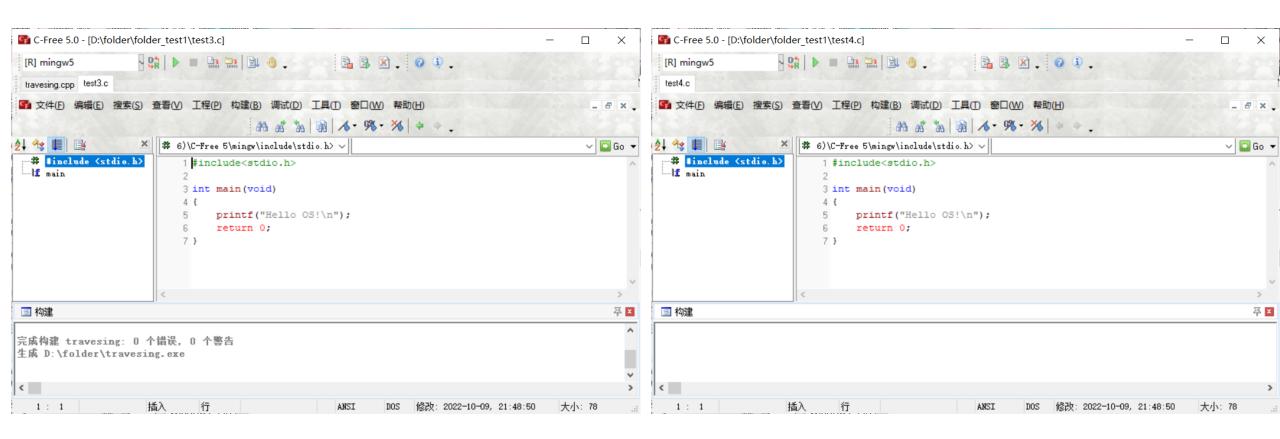
- 主体程序: ./folder/traversing.cpp
- 头文件: ./folder/md5.h
- 其他源文件: ./folder/md5.cpp



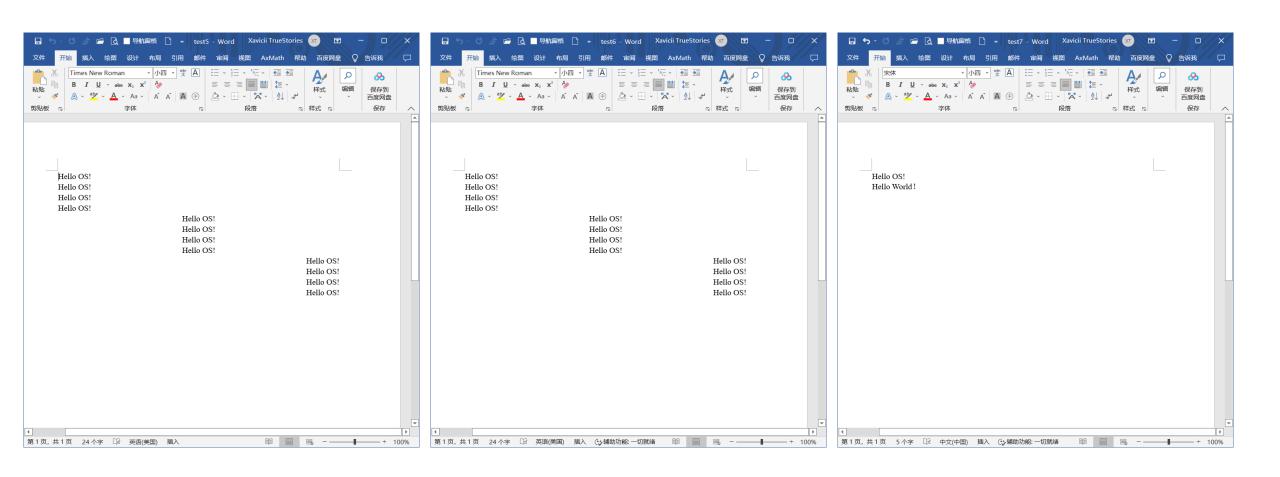
测试文件: ./folder/test1.txt和./folder/test2.txt, 两者都是txt文档, 内容相同



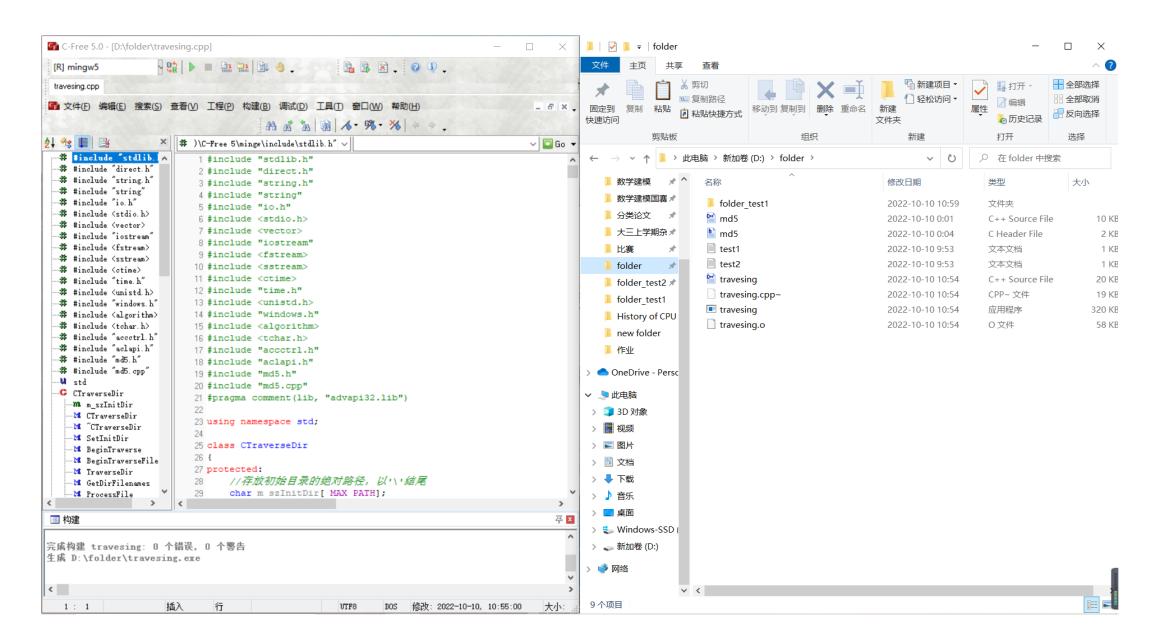
# 测试文件: ./folder/folder\_test1/test3.c和./folder/folder\_test1/test3.c 两者都是C语言文件,内容相同



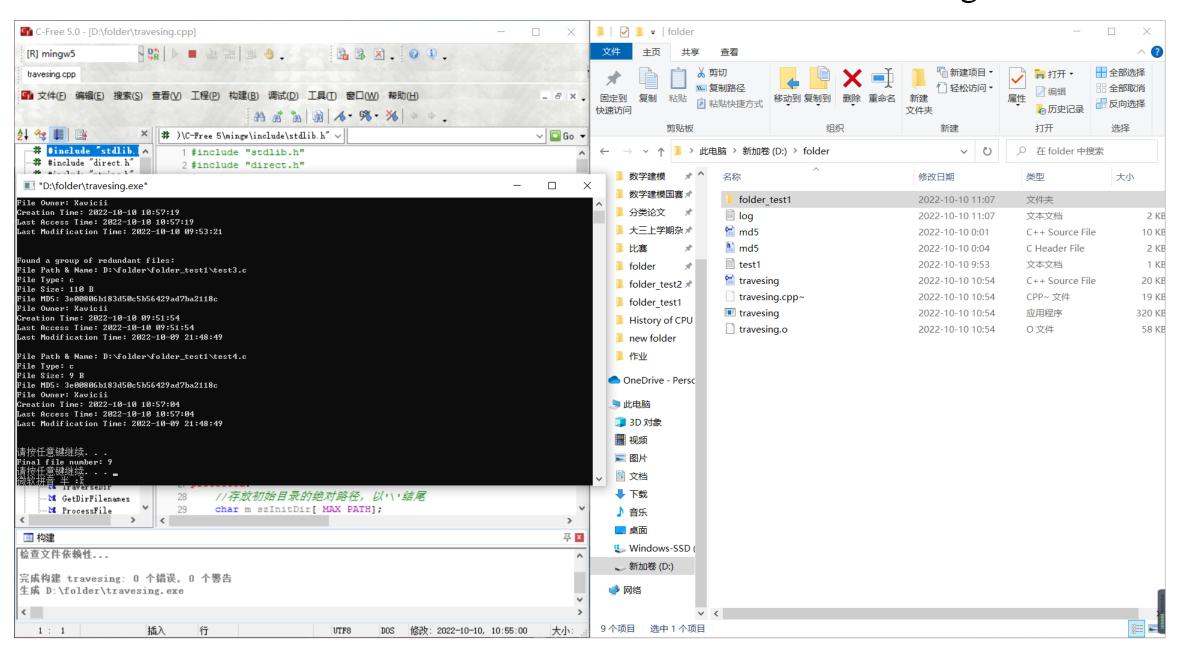
测试文件: folder\_test2/test5.doc、folder\_test2/test6.doc、folder\_test2/test6.doc 三者都是doc文档,位置与遍历文件夹小程序的位置不同,test5和test6内容相同,test7与test5和test6内容不同



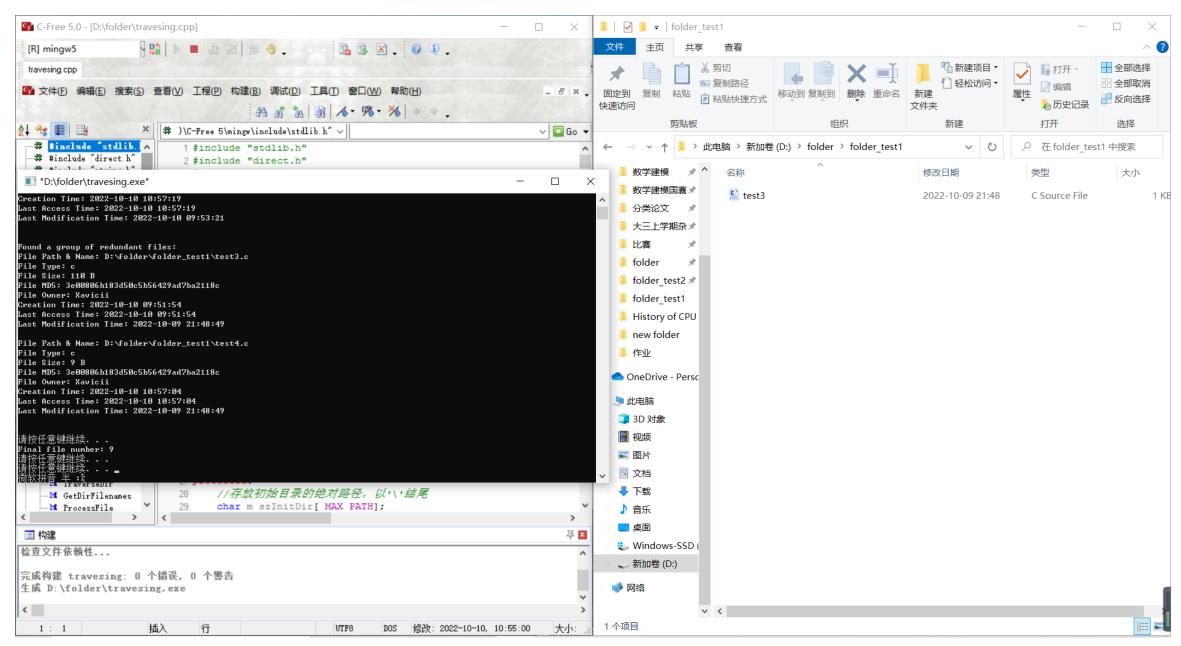
#### 启动程序



#### 程序运行成功,删除folder目录下的重复文件test2.txt,此时log日志文件生成



#### folder的子目录folder\_test1中的重复文件test4.c也成功被删除



# log日志文件记录了重复文件的信息,包括文件路径、大小、类型、所有 者、创建时间、最近访问时间、最近修改时间

■ log - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

2022-10-10 11:07:05

The program has begun traversing the specified directory...The directory is: D:\folder

2022-10-10 11:07:06

Found a group of redundant files: File Path & Name: D:\folder\test1.txt

File Type: txt File Size: 110 B

File MD5: 5294ca75b590dce47f9d35c613f51adb

File Owner: Xavicii

Creation Time: 2022-10-09 13:05:08 Last Access Time: 2022-10-10 09:53:21 Last Modification Time: 2022-10-10 09:53:21

File Path & Name: D:\folder\test2.txt

File Type: txt File Size: 9 B

File MD5: 5294ca75b590dce47f9d35c613f51adb

File Owner: Xavicii

Creation Time: 2022-10-10 10:57:19 Last Access Time: 2022-10-10 10:57:19 Last Modification Time: 2022-10-10 09:53:21

2022-10-10 11:07:06

Found a group of redundant files:

File Path & Name: D:\folder\folder test1\test3.c

File Type: c File Size: 110 B

File MD5: 3e00806b183d50c5b56429ad7ba2118c

File Owner: Xavicii

Creation Time: 2022-10-10 09:51:54 Last Access Time: 2022-10-10 09:51:54 Last Modification Time: 2022-10-09 21:48:49

第1行,第1列

UTF-8

# log日志文件记录了重复文件的信息,包括文件路径、大小、类型、所有 者、创建时间、最近访问时间、最近修改时间

■ log - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

Last Modification Time: 2022-10-10 09:53:21

File Path & Name: D:\folder\test2.txt

File Type: txt File Size: 9 B

File MD5: 5294ca75b590dce47f9d35c613f51adb

File Owner: Xavicii

Creation Time: 2022-10-10 10:57:19 Last Access Time: 2022-10-10 10:57:19 Last Modification Time: 2022-10-10 09:53:21

2022-10-10 11:07:06

Found a group of redundant files:

File Path & Name: D:\folder\folder test1\test3.c

File Type: c File Size: 110 B

File MD5: 3e00806b183d50c5b56429ad7ba2118c

File Owner: Xavicii

Creation Time: 2022-10-10 09:51:54 Last Access Time: 2022-10-10 09:51:54 Last Modification Time: 2022-10-09 21:48:49

File Path & Name: D:\folder\folder test1\test4.c

File Type: c File Size: 9 B

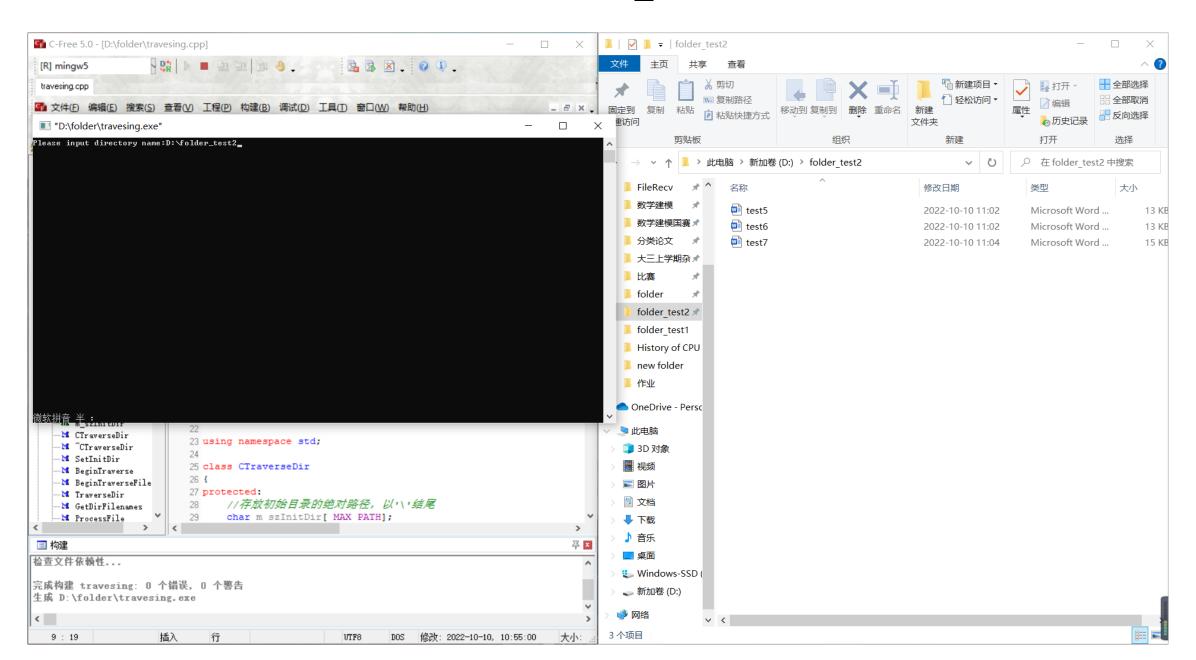
File MD5: 3e00806b183d50c5b56429ad7ba2118c

File Owner: Xavicii

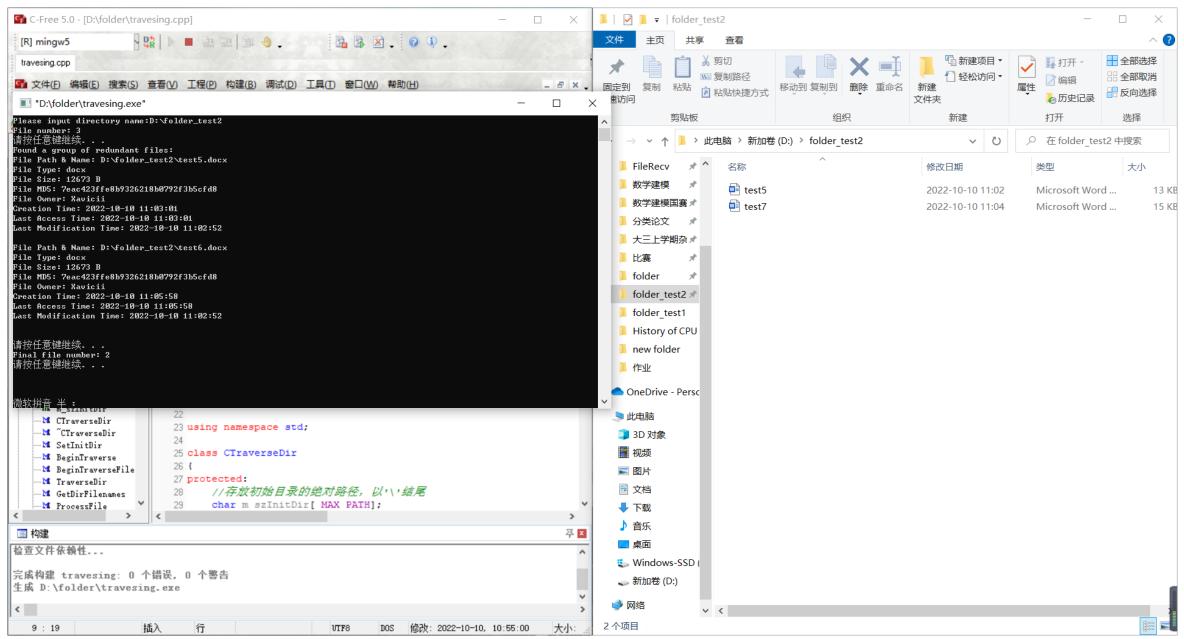
Creation Time: 2022-10-10 10:57:04 Last Access Time: 2022-10-10 10:57:04 Last Modification Time: 2022-10-09 21:48:49

第1行,第1列

#### 程序再次启动,尝试删除folder\_test2目录下的重复文件



#### 程序运行成功,folder\_test2目录下的重复文件test6.doc被删除



# 此时folder目录下log日志文件内容更新

■ log - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

File Path & Name: D:\folder\folder test1\test4.c

File Type: c File Size: 9 B

File MD5: 3e00806b183d50c5b56429ad7ba2118c

File Owner: Xavicii

Creation Time: 2022-10-10 10:57:04 Last Access Time: 2022-10-10 10:57:04 Last Modification Time: 2022-10-09 21:48:49

2022-10-10 11:11:22

The program has begun traversing the specified directory...The directory is: D:\folder\_test2

2022-10-10 11:11:23

Found a group of redundant files:

File Path & Name: D:\folder\_test2\test5.docx

File Type: docx File Size: 12673 B

File MD5: 7eac423ffe8b9326218b0792f3b5cfd8

File Owner: Xavicii

Creation Time: 2022-10-10 11:03:01 Last Access Time: 2022-10-10 11:03:01 Last Modification Time: 2022-10-10 11:02:52

File Path & Name: D:\folder test2\test6.docx

File Type: docx File Size: 12673 B

File MD5: 7eac423ffe8b9326218b0792f3b5cfd8

File Owner: Xavicii

Creation Time: 2022-10-10 11:05:58 Last Access Time: 2022-10-10 11:05:58 Last Modification Time: 2022-10-10 11:02:52