Task1作业提交

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第一题

```
Cxh@LAPTOP-4GHIGFT:- X + V - - - X

To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

Cxh@LAPTOP-4GHIGF73: $ date
Sat Aug 24 23:16:32 CST 2024
Cxh@LAPTOP-4GHIGF73: $ echo hello
hello
cxh@LAPTOP-4GHIGF73: $ echo $SHELL
//bin/bash
Cxh@LAPTOP-4GHIGF73: $ echo $SHELL
//bin/bash
Cxh@LAPTOP-4GHIGF73: $ echo $SHELL
//bin/bash
Cxh@LAPTOP-4GHIGF73: $ ■

有效命令行: echo $SHELL
显示用户当前使用的shell路径
```

echo \$SELL 显示用户当前使用的shell路径

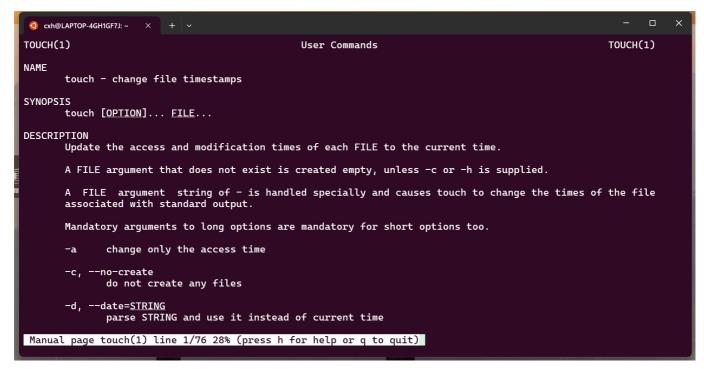
第二题

```
cxh@LAPTOP-4GH1GF7J:/home$ cd
cxh@LAPTOP-4GH1GF7J:~$ mkdir .missing
cxh@LAPTOP-4GH1GF7J:~$ cd .missing
cxh@LAPTOP-4GH1GF7J:~\.missing$ mkdir tmp
cxh@LAPTOP-4GH1GF7J:~/.missing$ cd tmp
cxh@LAPTOP-4GH1GF7J:~/.missing$ cd tmp
cxh@LAPTOP-4GH1GF7J:~/.missing/tmp$
```

```
mkdir .missing
cd .misssing
mkdir tmp
```

这里我其实可以用mkdir -p .missing/tmp,直接在.missing不存在的情况下创建 而且我这里之前文件名写错了,我已经用mv .missing missing修正了

第三题



man touch 查看touch的命令手册

第四题

touch semester 在missing文件夹里创建名为semester的文件

第五题

echo '....' >> semester 将题目指定内容定向输入semester文件中

第六题

```
cxh@LAPTOP-4GHIGF7J:-/m × + v - - - ×

cxh@LAPTOP-4GHIGF7J:-/missing$ ./semester ls

-bash: ./semester: Permission denied

cxh@LAPTOP-4GHIGF7J:-/missing$
```

没有权限

第七题



semester文件没有执行权限,使用sh可以绕过这个问题

第八题

```
CHMOD(1)

User Commands

CHMOD(1)

NAME

chmod - change file mode bits

SYNOPSIS

chmod [OPTION]... MODE[_MODE]... FILE...

chmod [OPTION]... OCTAL=MODE FILE...

chmod [OPTION]... --reference=RFILE FILE...

Chmod [OPTION]... --reference=RFILE FILE...

DESCRIPTION

This manual page documents the GNU version of chmod. chmod changes the file mode bits of each given file according to mode, which can be either a symbolic representation of changes to make, or an octal number representing the bit pattern for the new mode bits.

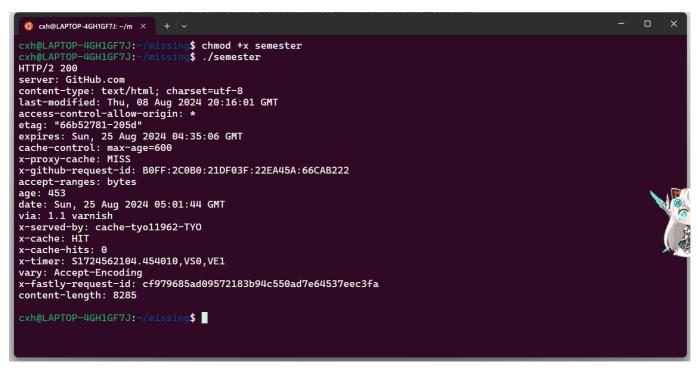
The format of a symbolic mode is [ugoa...][[-+=][perms...]...], where perms is either zero or more letters from the set rwxXst, or a single letter from the set ugo. Multiple symbolic modes can be given, separated by commas.

A combination of the letters ugoa controls which users' access to the file will be changed: the user who owns it (u), other users in the file's group (g), other users not in the file's group (o), or all users (a). If none of these are given, the effect is as if (a) were given, but bits that are set in the umask are not affected.

The operator + causes the selected file mode bits to be added to the existing file mode bits of each file; — causes them to be removed; and = causes them to be added and causes unmentioned bits to be Manual page chmod(1) line 1 (press h for help or q to quit)
```

查看chmod的命令手册

第九题



chmod +x semester 改变了semester文件的权限

第十题

执行semester,过滤出包含last-modified的一行并将它打印到txt文件中