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Class: KHTN2021

OPERATING SYSTEM LAB X'S REPORT

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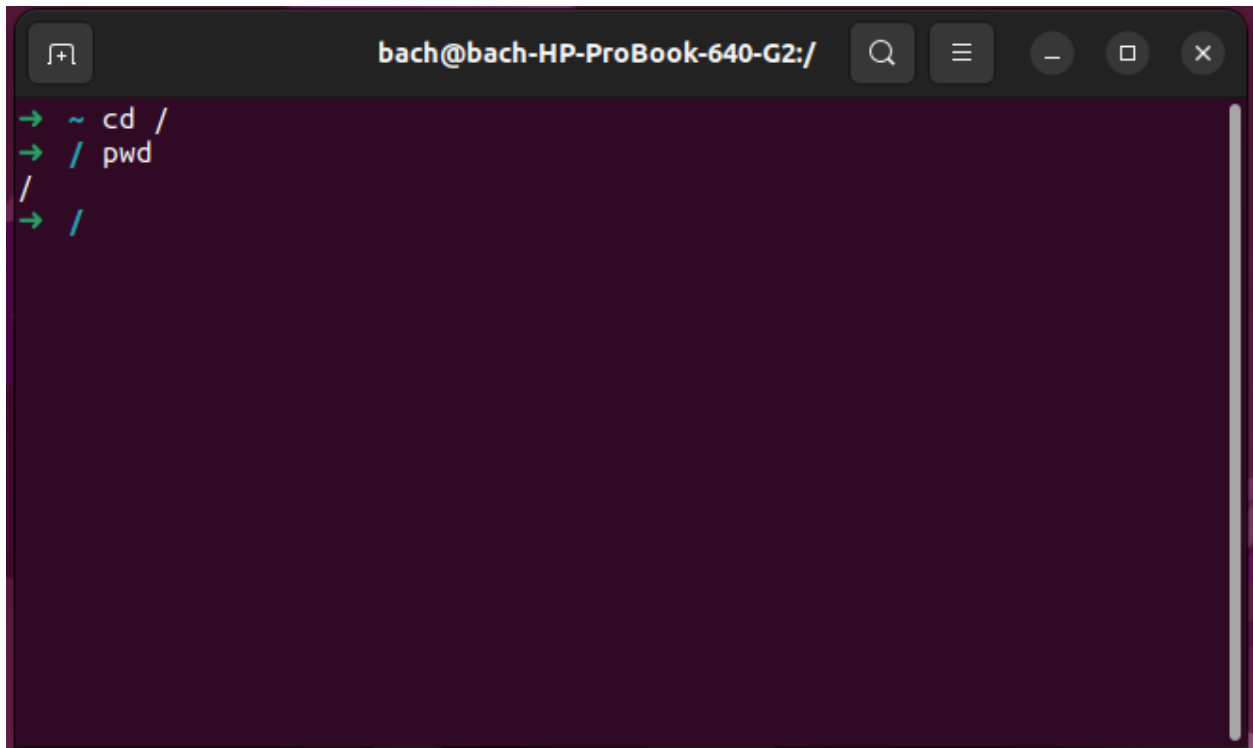
Self-scores: `10

Note: Export file to **PDF and name the file by following format:
LAB X – <Student ID>.pdf*

Section 1.5

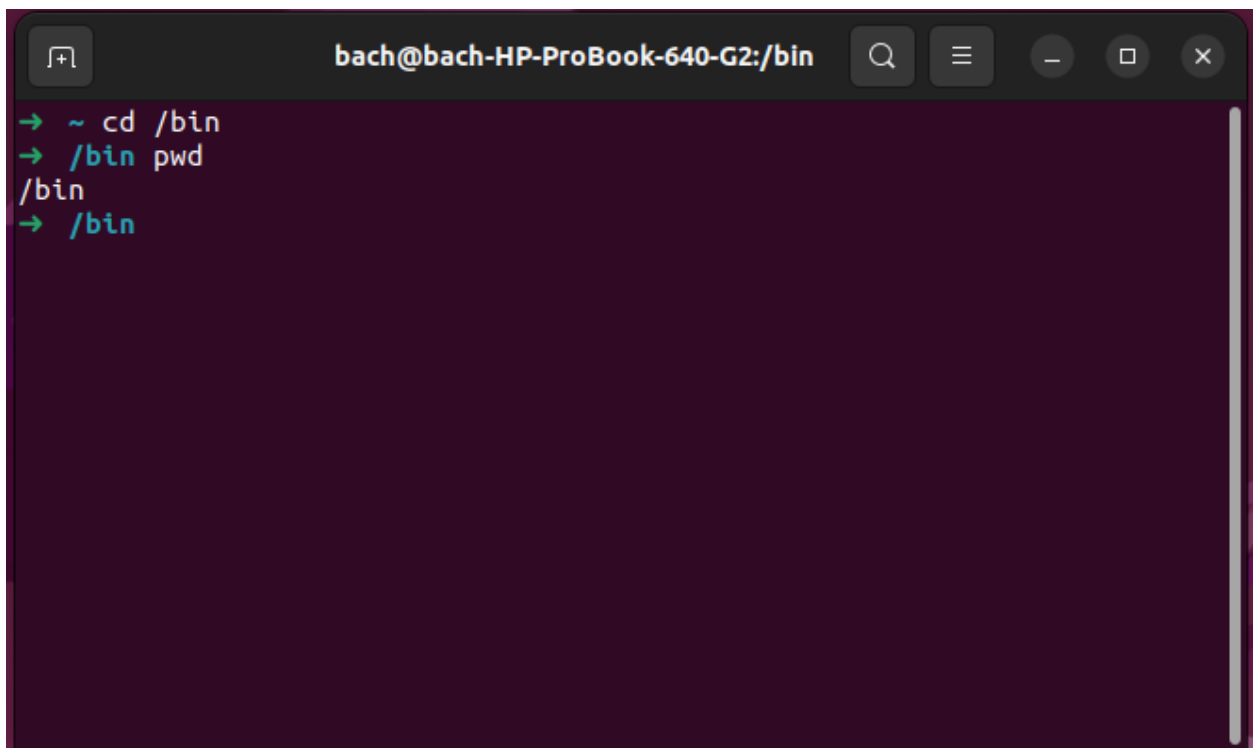
1.5.1.

1.5.1.1. Move to root

A terminal window with a dark purple background. The title bar shows 'bach@bach-HP-ProBook-640-G2:/'. The terminal contains three lines of commands: 'cd /', 'pwd', and '/', each preceded by a green arrow. The output of 'pwd' is '/' and the output of the final '/' command is also '/'.

```
bach@bach-HP-ProBook-640-G2:/  
→ ~ cd /  
→ / pwd  
/  
→ /
```

1.5.1.2. Move to folder /bin

A terminal window with a dark purple background. The title bar shows 'bach@bach-HP-ProBook-640-G2:/bin'. The terminal contains three lines of commands: 'cd /bin', '/bin pwd', and '/bin', each preceded by a green arrow. The output of '/bin pwd' is '/bin' and the output of the final '/bin' command is also '/bin'.

```
bach@bach-HP-ProBook-640-G2:/bin  
→ ~ cd /bin  
→ /bin pwd  
/bin  
→ /bin
```

1.5.1.3. Move to user/folder

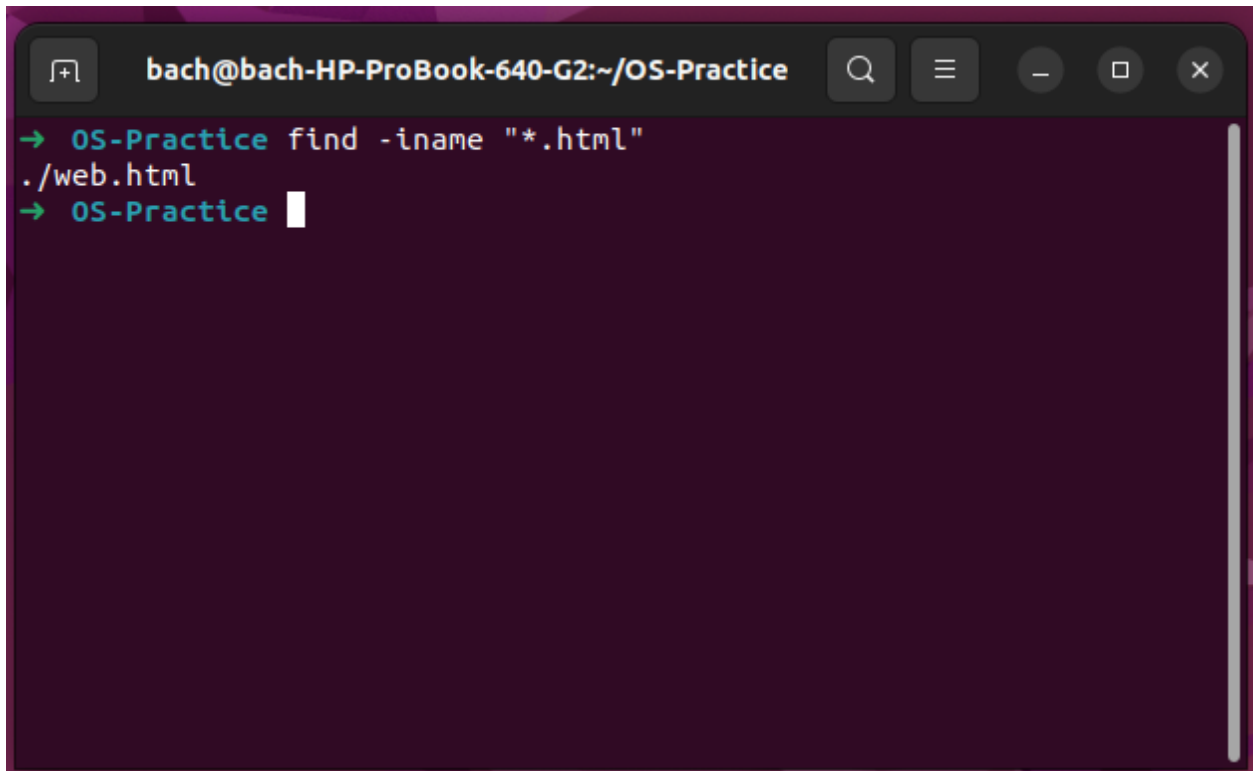
```
bach@bach-HP-ProBook-640-G2:~  
→ ~ cd ~  
→ ~ pwd  
/home/bach  
→ ~
```

1.5.2. Create folder tree

```
bach@bach-HP-ProBook-640-G2:~/OS-Practice  
→ OS-Practice mkdir images databases scripts java && mkdir images/{icon,background,animation}  
→ OS-Practice tree  
.  
├── databases  
├── images  
│   ├── animation  
│   ├── background  
│   └── icon  
├── java  
└── scripts  
  
7 directories, 0 files  
→ OS-Practice
```

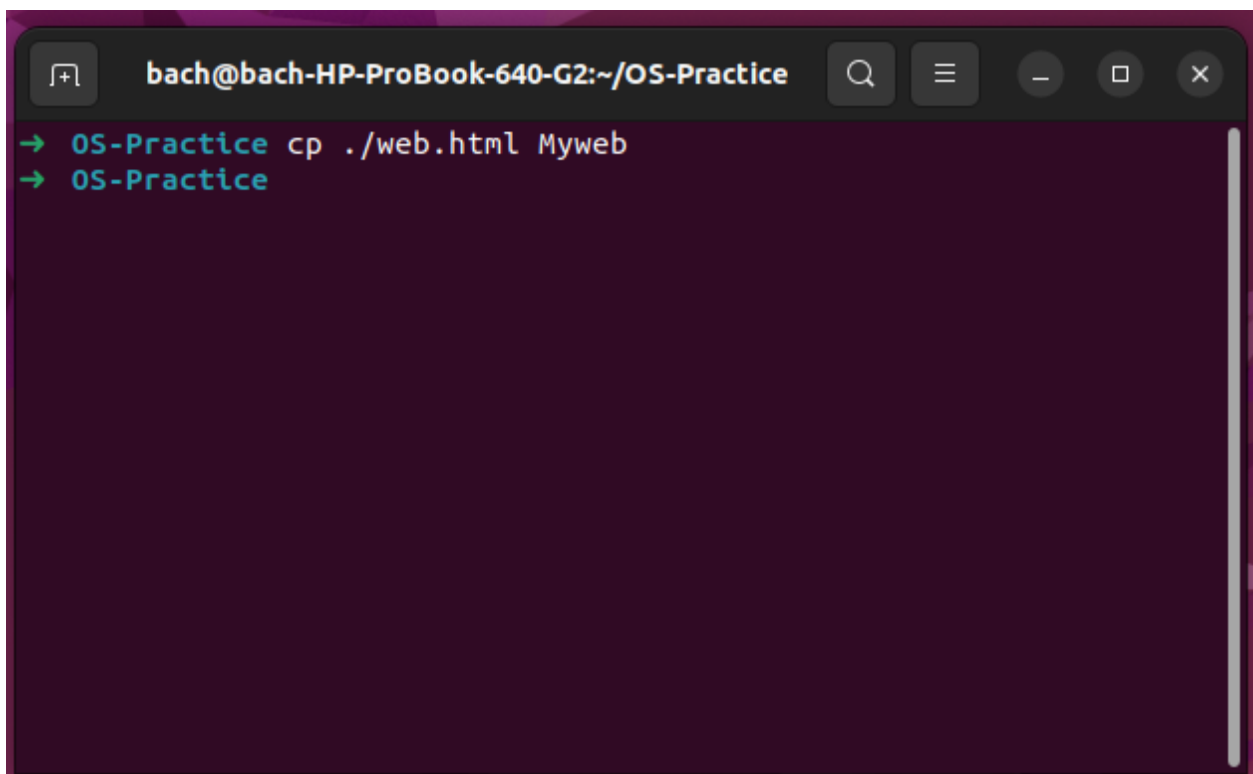
1.5.3.

1.5.3.1. Find .html and .class

A terminal window with a dark purple background. The title bar shows the user 'bach' at 'bach-HP-ProBook-640-G2' in the directory '~/OS-Practice'. The terminal contains two lines of text: a command prompt followed by 'OS-Practice find -iname "*.html"', the output './web.html', and a second command prompt followed by 'OS-Practice' and a cursor.

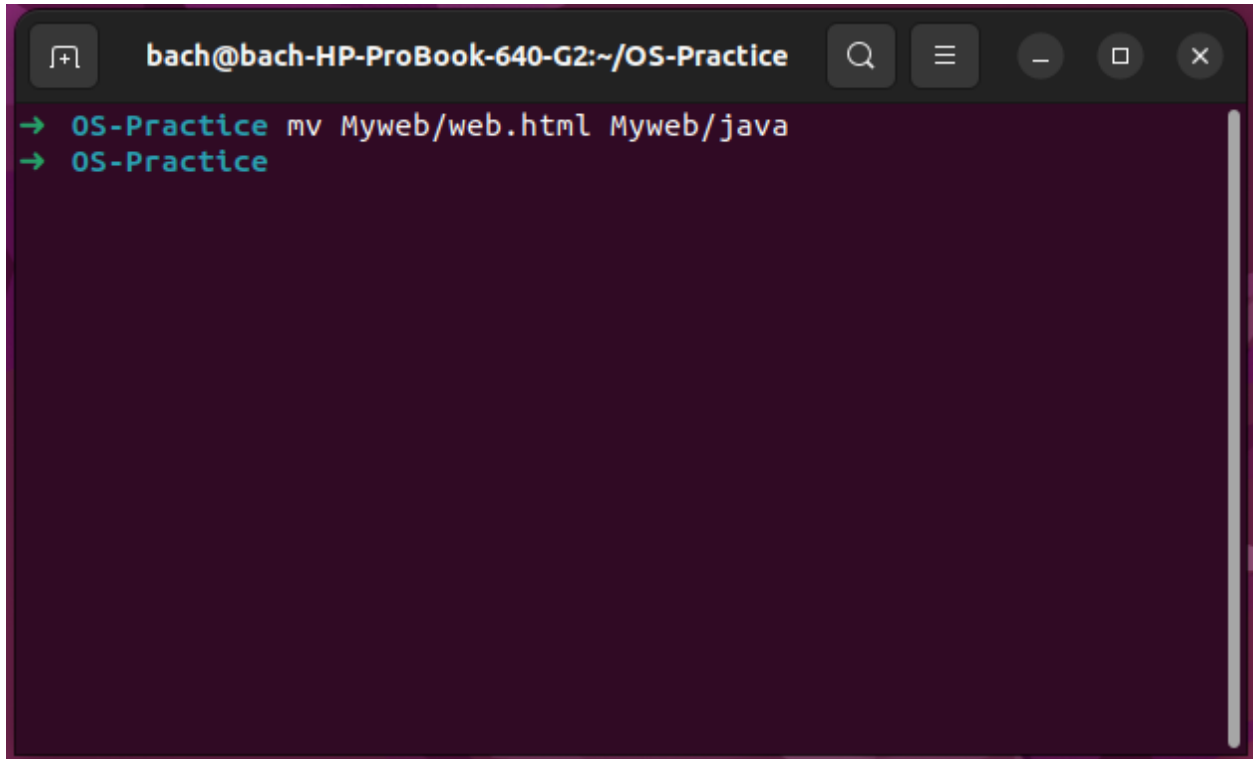
```
bach@bach-HP-ProBook-640-G2:~/OS-Practice
→ OS-Practice find -iname "*.html"
./web.html
→ OS-Practice
```

1.5.3.2. Copy .html to MyWeb folder

A terminal window with a dark purple background. The title bar shows the user 'bach' at 'bach-HP-ProBook-640-G2' in the directory '~/OS-Practice'. The terminal contains two lines of text: a command prompt followed by 'OS-Practice cp ./web.html Myweb', and a second command prompt followed by 'OS-Practice'.

```
bach@bach-HP-ProBook-640-G2:~/OS-Practice
→ OS-Practice cp ./web.html Myweb
→ OS-Practice
```

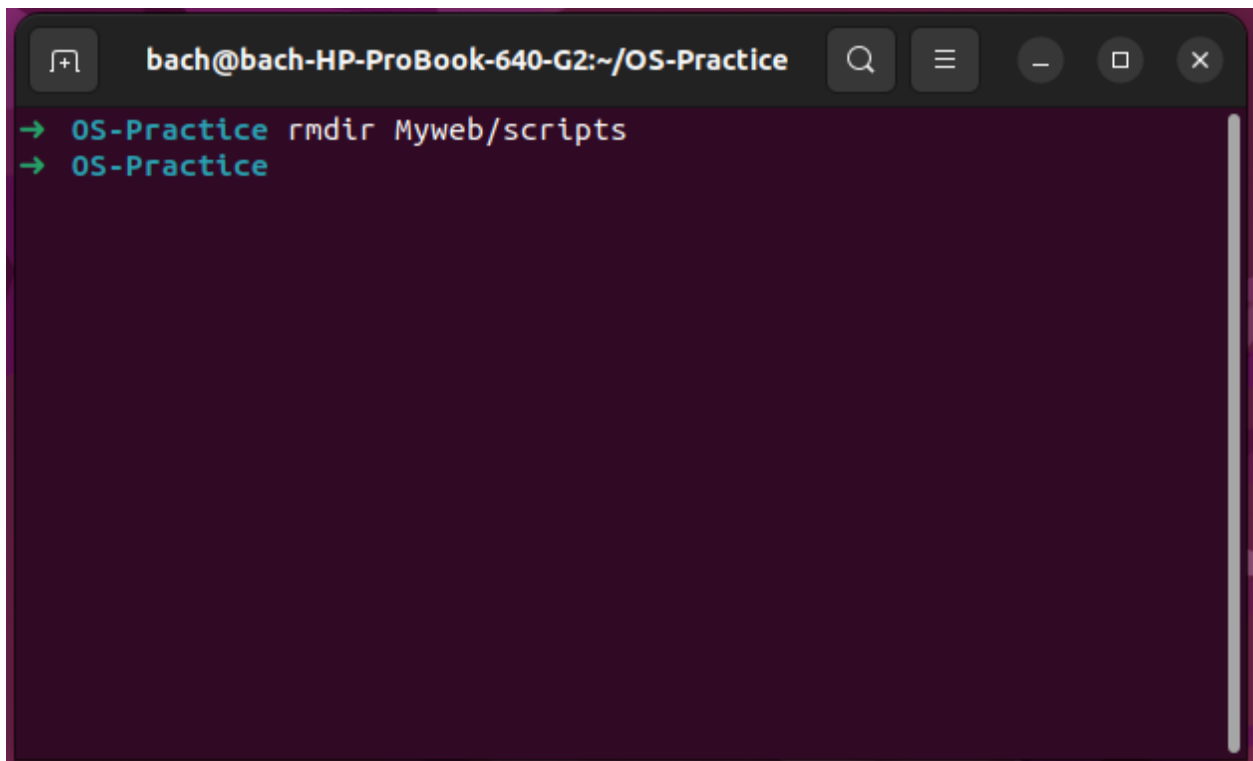
1.5.4. Using mv to move .html in Myweb to Myweb/java



A terminal window with a dark purple background. The title bar at the top shows the user 'bach' at host 'bach-HP-ProBook-640-G2' in the directory '~/OS-Practice'. The terminal contains two lines of text: a green prompt arrow followed by 'OS-Practice' and the command 'mv Myweb/web.html Myweb/java', and a second green prompt arrow followed by 'OS-Practice'.

```
bach@bach-HP-ProBook-640-G2:~/OS-Practice
→ OS-Practice mv Myweb/web.html Myweb/java
→ OS-Practice
```

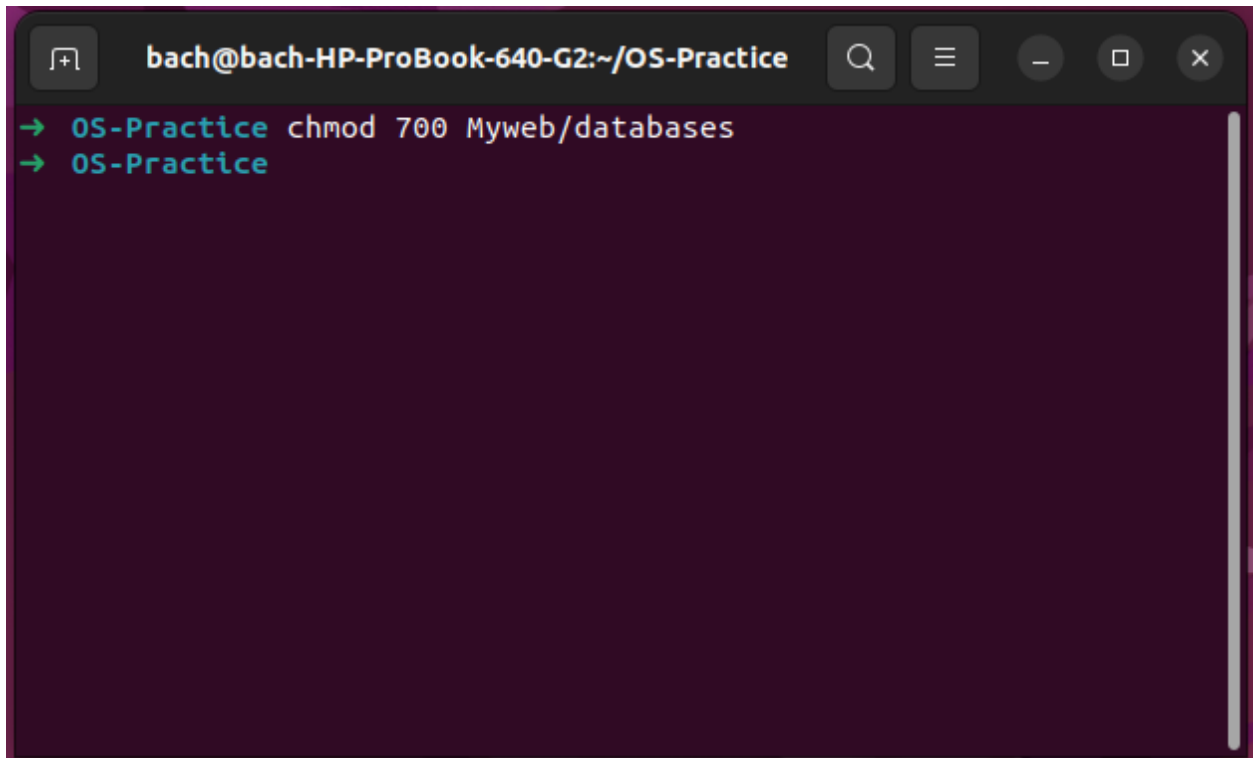
1.5.5. Delete folder Myweb/scripts



A terminal window with a dark purple background. The title bar at the top shows the user 'bach' at host 'bach-HP-ProBook-640-G2' in the directory '~/OS-Practice'. The terminal contains two lines of text: a green prompt arrow followed by 'OS-Practice' and the command 'rmdir Myweb/scripts', and a second green prompt arrow followed by 'OS-Practice'.

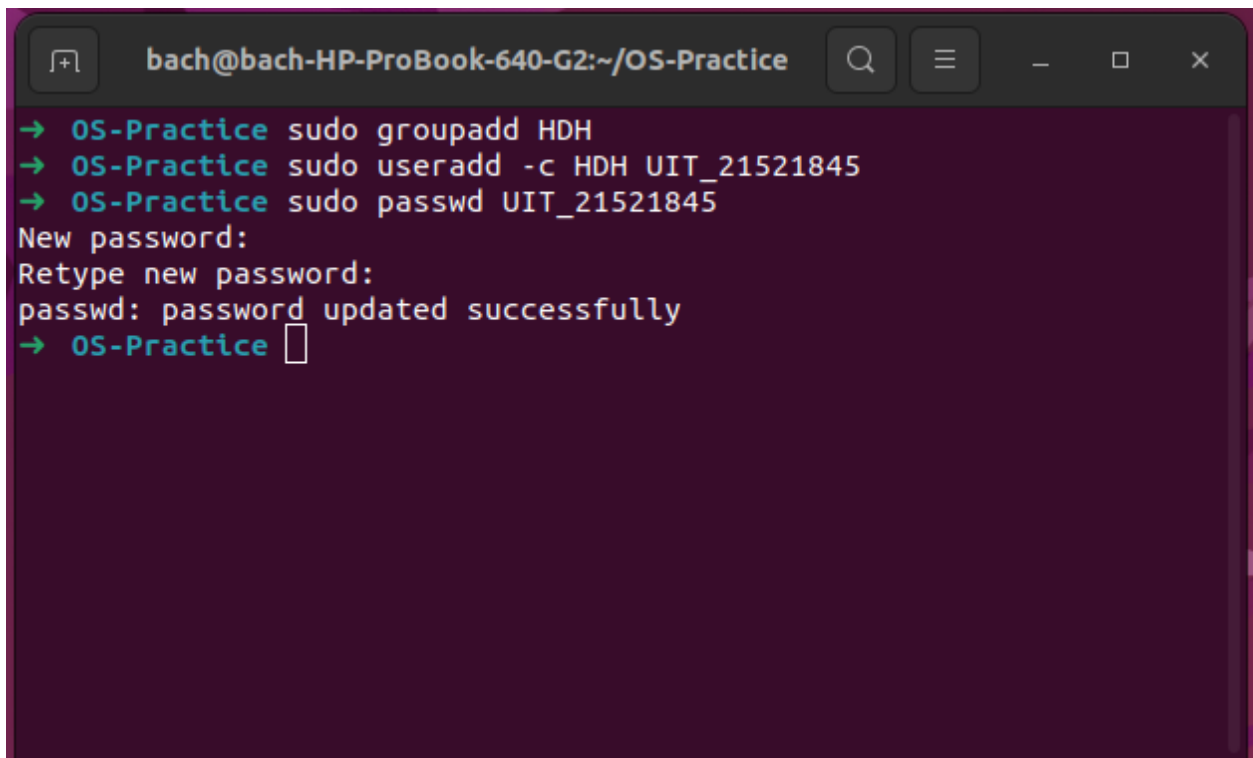
```
bach@bach-HP-ProBook-640-G2:~/OS-Practice
→ OS-Practice rmdir Myweb/scripts
→ OS-Practice
```

1.5.6. Set permission for Myweb/databases

A terminal window with a dark purple background. The title bar shows the user 'bach' at 'bach-HP-ProBook-640-G2' in the directory '~/OS-Practice'. The terminal contains two lines of text: a prompt '→ OS-Practice' followed by the command 'chmod 700 Myweb/databases', and a second prompt '→ OS-Practice' on the next line.

```
bach@bach-HP-ProBook-640-G2:~/OS-Practice
→ OS-Practice chmod 700 Myweb/databases
→ OS-Practice
```

1.5.7. Create a user

A terminal window with a dark purple background. The title bar shows the user 'bach' at 'bach-HP-ProBook-640-G2' in the directory '~/OS-Practice'. The terminal contains four lines of text: three prompts '→ OS-Practice' followed by the commands 'sudo groupadd HDH', 'sudo useradd -c HDH UIT_21521845', and 'sudo passwd UIT_21521845'. The fourth line shows the output of the passwd command: 'New password:', 'Retype new password:', and 'passwd: password updated successfully'. The prompt '→ OS-Practice' is followed by a cursor.

```
bach@bach-HP-ProBook-640-G2:~/OS-Practice
→ OS-Practice sudo groupadd HDH
→ OS-Practice sudo useradd -c HDH UIT_21521845
→ OS-Practice sudo passwd UIT_21521845
New password:
Retype new password:
passwd: password updated successfully
→ OS-Practice
```

1.5.8.

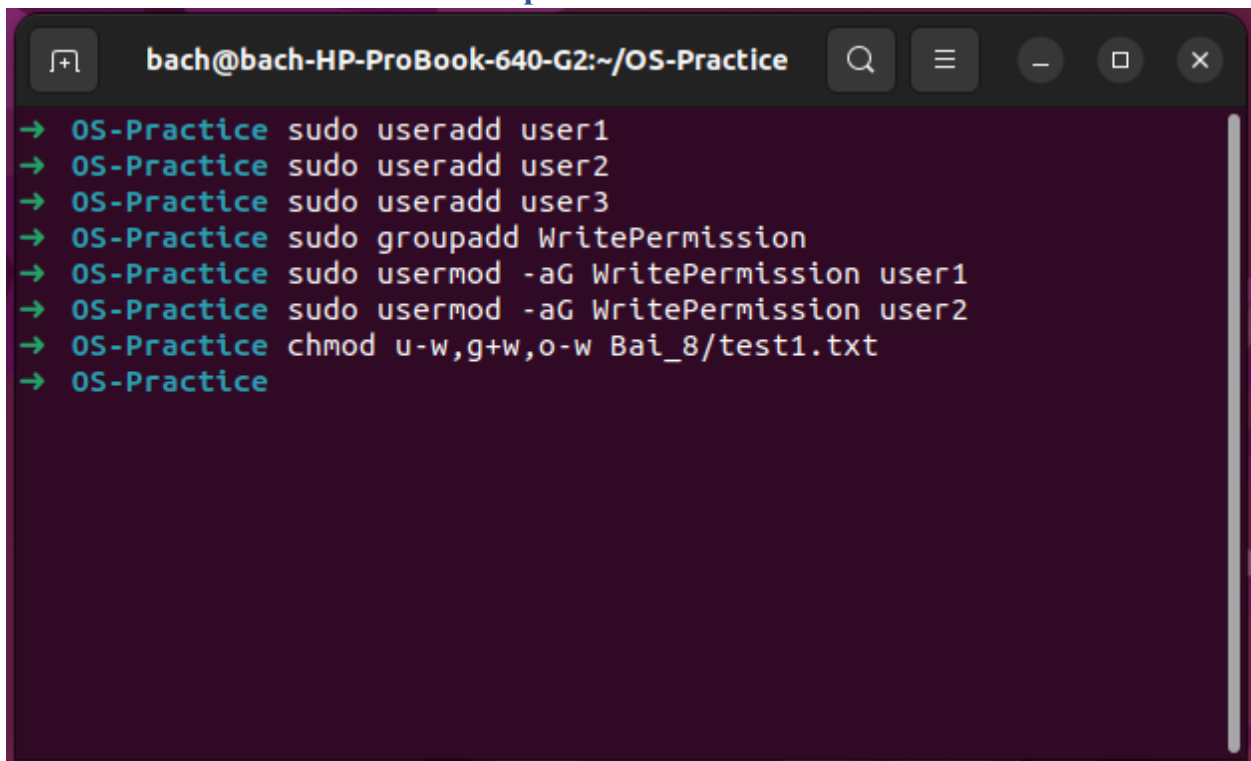
1.5.8.1. Create folder tree

```
bach@bach-HP-ProBook-640-G2:~/OS-Practi...  
→ OS-Practice mkdir -p Bai_8/Bai_8.1/Bai_8.2  
→ OS-Practice touch Bai_8/test1.txt  
→ OS-Practice touch Bai_8/Bai_8.1/test2.txt  
→ OS-Practice touch Bai_8/Bai_8.1/Bai_8.2/test3.txt  
→ OS-Practice cd Bai_8  
→ Bai_8 tree  
.  
├── Bai_8.1  
│   ├── Bai_8.2  
│   │   └── test3.txt  
│   └── test2.txt  
└── test1.txt  
  
2 directories, 3 files  
→ Bai_8
```

1.5.8.2. Delete permission for .txt file

```
bach@bach-HP-ProBook-640-G2:~/OS-Practice  
→ OS-Practice find -iname "*.txt" | xargs chmod o-rwx  
→ OS-Practice
```

1.5.9. Create 3 user have Write permission to test1.txt



```
bach@bach-HP-ProBook-640-G2:~/OS-Practice
→ OS-Practice sudo useradd user1
→ OS-Practice sudo useradd user2
→ OS-Practice sudo useradd user3
→ OS-Practice sudo groupadd WritePermission
→ OS-Practice sudo usermod -aG WritePermission user1
→ OS-Practice sudo usermod -aG WritePermission user2
→ OS-Practice chmod u-w,g+w,o-w Bai_8/test1.txt
→ OS-Practice
```