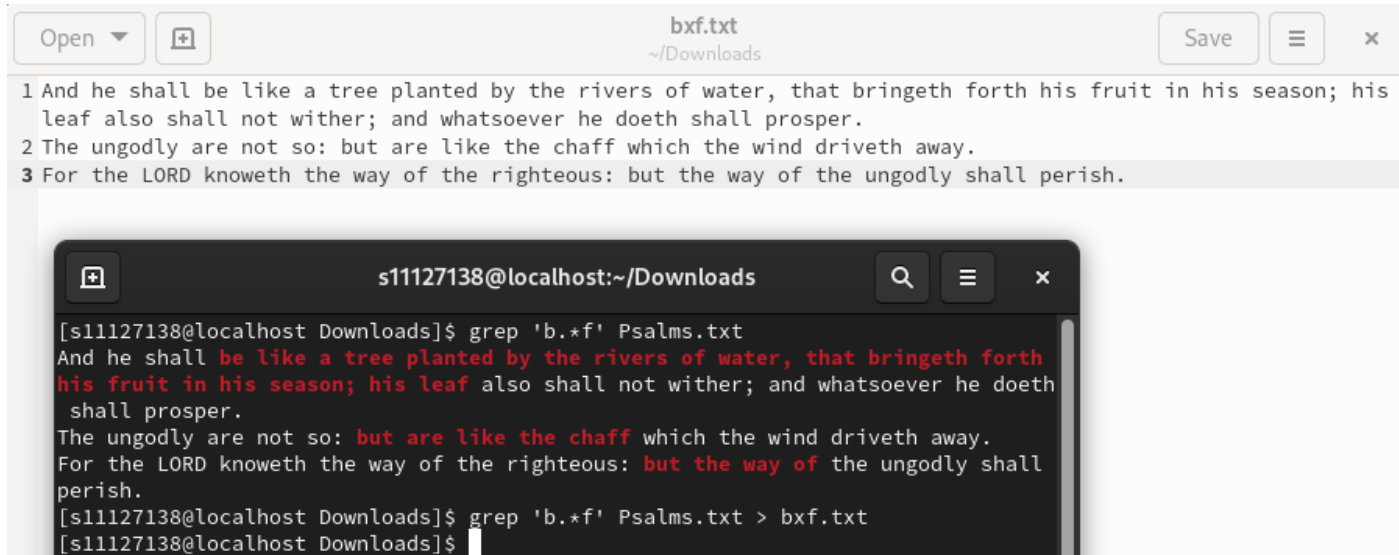


## 作業二

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1. 若要將附件檔案是放在目前工作目錄下，想把含有 b 字元在左邊、中間有任意字元、字串最右邊是 f 的行找出存到檔名 bxf.txt，應執行甚麼指令？



2. 若檔案 filea 權限要設定為 rwSr-xr-t，設定指令應為何？

Rw- r-x r-t = 110 101 101=655；S-t = 101 = 5；故為 5655。

```
[s11127138@localhost Downloads]$ chmod 5655 filea
[s11127138@localhost Downloads]$ ls -l filea
-rwSr-xr-t. 1 s11127138 s11127138 0 Nov  8 10:50 filea
[s11127138@localhost Downloads]$
```

3. 請描述符合 t[aeiou].\*k 這個 regular expression 描述式的字串是哪些?(請舉例 5 個字串)

- 第一個字符是 t
- 第二個字符是中括號內任意一個字母 (a、e、i、o、u)
- .\*中間可有任意字符 (含 0 個或多個字符)
- 結尾字符是 k

舉例：

- (1) tak
- (2) talk
- (3) took
- (4) tick
- (5) tuccck

4. <使用全形輸入> 請寫出命令能列出 /etc 下文字檔案內容含有 host 字串的檔名。

grep -l "host" /etc/\*

```
[s11127138@localhost ~]$ pwd
/home/s11127138
[s11127138@localhost ~]$ grep -l "host" /etc/*
grep: /etc/accountsservice: Is a directory
/etc/aliases
grep: /etc/alsa: Is a directory
grep: /etc/alternatives: Is a directory
grep: /etc/audit: Permission denied
grep: /etc/authselect: Is a directory
grep: /etc/avahi: Is a directory
grep: /etc/bash_completion.d: Is a directory
grep: /etc/binfmt.d: Is a directory
grep: /etc/bluetooth: Is a directory
grep: /etc/brlapi.key: Permission denied
grep: /etc/brltty: Is a directory
grep: /etc/chromium: Is a directory
grep: /etc/chrony.keys: Permission denied
grep: /etc/cifs-utils: Is a directory
```

5. 請使用 find 指令找出 /usr/bin 下有設定上 set uid 的檔案清單，要看到檔案的詳細資料含檔案權限、owner 等資料。請寫出你參考得資料來源。<命令部分使用全形輸入>

find /usr/bin -perm -4000 -ls

```
[s11127138@localhost ~]$ find /usr/bin -perm -4000 -ls
17399465    72 -rwsr-xr-x  1 root    root      73704 Oct 31  2023 /usr/bin/chage
17399466    80 -rwsr-xr-x  1 root    root      78024 Oct 31  2023 /usr/bin/gpasswd
17399469    44 -rwsr-xr-x  1 root    root      41744 Oct 31  2023 /usr/bin/newgrp
17478882    36 -rwsr-xr-x  1 root    root      36328 Apr 22  2024 /usr/bin/fusermount3
17686173    40 -rwsr-xr-x  1 root    root      36872 May 16  2022 /usr/bin/fusermount
17889427    48 -rwsr-xr-x  1 root    root      48600 Apr 21  2024 /usr/bin/mount
17889433    36 -rwsr-xr-x  1 root    root      36224 Apr 21  2024 /usr/bin/umount
18241662    56 -rwsr-xr-x  1 root    root      57240 Apr 16  2024 /usr/bin/crontab
18180029    56 -rwsr-xr-x  1 root    root      57056 Apr 21  2024 /usr/bin/su
18211570    32 -rwsr-xr-x  1 root    root      31936 Apr 21  2023 /usr/bin/pkexec
18429726   184 ---s--x--x  1 root    root     185304 Feb 15  2024 /usr/bin/sudo
19981573    32 -rwsr-xr-x  1 root    root      32656 May 15  2022 /usr/bin/passwd
19981611    32 -rws--x--x  1 root    root      32152 Apr 21  2024 /usr/bin/chfn
19981612    24 -rws--x--x  1 root    root      23896 Apr 21  2024 /usr/bin/chsh
19209880    16 -rwsr-xr-x  1 root    root      15656 Apr 17  2024 /usr/bin/vmware-user-suid-wrapper
19994261    60 -rwsr-xr-x  1 root    root      57976 Oct 26  2022 /usr/bin/at
[s11127138@localhost ~]$
```