環境：
1. WWW Server：120.107.152.9 (Ubuntu 18.04-1)
2. Backup Server：120.107.152.7 (NAS: Network Attached Storage)

目標：

定期將 WWW Server 的 Web Pages 備份至 Backup Server

設定：
1. WWW Server
    (a) 於家目錄建立 .netrc 檔
        machine 120.107.152.7 *login xxxxxxxx password* **********
    (b) 更改 .netrc 的權限
        $ chmod 600 .netrc
    (c) 確定 Backup Sever (120.107.152.7) 是否有 *xxxxxxxx* 這個
        account，且密碼亦如 .netrc 內容
    (d) 撰寫 shell script 執行自動 FTP 備份

```
#!/bin/bash
# ftp1
cd /home/tkwu/www
tar zcf ../tkwu-`date +%d`.tar.gz *
ftp -i << backup
open 120.107.152.4
bin
lcd /home/tkwu
cd backup
put tkwu-`date +%d`.tar.gz
quit
backup
```

    (e) 將 (d) 撰寫 shell script 儲存為 auto_ftp，並將其權限改為 700
    (f) 設定 crontab
        $ crontab –e
        0 4 * * 0   /home/tkwu/auto_ftp

<<Basic FTP Commands>>

?	*to request help or information about the FTP commands*
ascii	*to set the mode of file transfer to ASCII* *(this is the default and transmits seven bits per character)*
binary	*to set the mode of file transfer to binary* *(the binary mode transmits all eight bits per byte and thus provides less chance of a transmission error and must be used to transmit files other than ASCII files)*
bye	*to exit the FTP environment (same as quit)*
cd	*to change directory on the remote machine*
close	*to terminate a connection with another computer*
delete	*to delete (remove) a file in the current remote directory* *(same as rm in UNIX)*
get	*to copy one file from the remote machine to the local machine*
help	*to request a list of all available FTP commands*
lcd	*to change directory on your local machine (same as UNIX cd)*
ls	*to list the names of the files in the current remote directory*
!ls	*to list the names of the files in the current remote directory*
mkdir	*to make a new directory within the current local directory*
mget	*to copy multiple files from the remote machine to the local machine; you are prompted for a y/n answer before transferring each file*
mput	*to copy multiple files from the local machine to the remote machine; you are prompted for a y/n answer before transferring each file*
open	*to open a connection with another computer*
put	*to copy one file from the local machine to the remote machine*
pwd	*to find out the pathname of the current directory on the remote machine*
quit	*to exit the FTP environment (same as bye)*
rmdir	*to to remove (delete) a directory in the current remote directory*