

Python 101 - Week 6 - Advanced- File-IO

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Review

- Install Cygwin
- pip
- open a file
- sanitize strings (' '.join(ARRAY))

Homework - course 05

- 計算出 FD8372, IP8362E 到底還有幾個 common bug 沒有解完
- 根據 history.txt 為例，基本上就當做他是正確的吧

Verify major bug fixed: <1-184, 186-289, ...,
348-351, 354, 356-361, 364-367, 370-372, 380, 382-383, 387, 392>

預期輸出結果：列出 1~392 裡面，還沒解出來的 Bug 數量

Homework - courser 05

作業資料先以下面的數據做整理

1-184, 186-289, 291, 294-299, 301-302, 304-305, 307-312, 314-325, 327, 330-333, 335-338, 340, 343-345, 348-351, 354, 356-361, 364-367, 370-372, 380, 382-383, 387, 392

- 提示: list, range()

Homework solution

- common bugs

Split by multiple delimiters

delimiters are separated by |

```
import re  
re.split(r'\s |; |, |', line)
```

The image shows a Windows File Explorer window with a directory tree on the left and a list of files on the right. The directory path is \211\212\232\204\237\234\203\216\207\page\page\237\234\213\215\210\影\203\217.wmv. The files listed are Thumbs.db, focus.wmv, motion.wmv, pass1-FD8372-VTK-0200e.tar.gz, CLIP_20120411-164257.mp4, Exclusive\window\will\become\gray\after\speci.wmv, The\UI\of\Auto\Focus\is\incorrect\after\speps.wmv, Thumbs.db, VIVO_afterMirror.jpg, and VIVO_beforeMirror.jpg. A large black text overlay reads "Clean your folder".

Agenda

- clean up your dirty folder
- find target files recursively

Assignment

- 整理**FD8372**資料夾
 - 請到這邊[下載](#)
- 新建資料夾
 - jpg
 - rootfs_change
 - flashfs_change

Assignment(cont.)

- 把所有的圖片檔案丟到 jpg 資料夾
- 把所有的**.lst**丟到 對應的change 資料夾
 - FD8372-
VVTk-020000_rootfs_md5_2014-08-18_110425.lst
=> rootfs_change
 - FD8372-
VVTk-020000_flashfs_2014-08-18_110425.lst =>
flashfs_change

Itrate Files/folders recursively

- jump to the file `walk_folder.py`

Get current working Dir

```
print os.getcwd()
```

Change dir

- Let play it

```
print os.chdir(path)
```

Create Dir

```
os.makedirs(directory)
```

Delete Files and folders

```
os.remove(FILE_PATH)  
os.rmdir(FOLDER_PATH)
```

Copy file

```
import shutil  
shutil.copy2( '/dir/file.ext', '/new/dir/newname.ext' )
```


Check before creating

```
if not os.path.exists(directory):  
    os.makedirs(directory)
```

Referencece

- multiple delimiters

