[OS201][WEEK: 01][DEMO]

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Run "a01-READ-ME":

Run "a02-sort-n-":

```
ali.irsyaad@badak: ~/Demos/Week01

ali.irsyaad@badak:~/Demos/Week01$ bash a02-sort-n-prepare

[a02-sort-n-]: # R: This script is sorting files and preparing the demo.

===================================================
Just run this script:
bash a02-sort-n-prepare    (... for RESET and START)
bash a02-sort-n-prepare xx (... for RESET and END)
Check and compare with:
ls -al
Do also:
bash a01-READ-ME
===================================================
```

Run "a03-command":

```
ali.irsyaad@badak: ~/Demos/Week01                                          —

ali.irsyaad@badak:~/Demos/Week01$ bash a03-command-lines-demo

These are collections of command lines.
Just run: "bash a03-command-lines-demo 11 22 33 44 55"

*** Hit Enter Key ***
============
RUNNING: ls
============
000-READ-THIS-FIRST.txt  a04-does-it-exist  a08-append-a-file  a12-fixfs   a16-uts181  a20-problem201
a01-READ-ME              a05-finding-EXIST  a09-add-numbers    a13-last    a17-uts182  ZA-thisfile.tx
a02-sort-n-prepare       a06-loop           a10-mysha1         a14-absen   a18-uts191  ZB-SOURCE
a03-command-lines-demo   a07-tester         a11-banding        a15-uts171  a19-uts192  ZC-BACKUP

*** Hit Enter Key ***
===============
RUNNING: ls -a
===============
.                        a03-command-lines-demo  a08-append-a-file  a13-last    a18-uts191  ZB-SOURCE
..                       a04-does-it-exist       a09-add-numbers    a14-absen   a19-uts192  ZC-BACKUP
000-READ-THIS-FIRST.txt  a05-finding-EXIST       a10-mysha1         a15-uts171  a20-problem201
a01-READ-ME              a06-loop                a11-banding        a16-uts181  .head
a02-sort-n-prepare       a07-tester              a12-fixfs          a17-uts182  ZA-thisfile.tx

*** Hit Enter Key ***
================
RUNNING: ls -aF
================
./                       a03-command-lines-demo  a08-append-a-file  a13-last    a18-uts191  ZB-SOURCE/
../                      a04-does-it-exist       a09-add-numbers    a14-absen   a19-uts192  ZC-BACKUP/
```

Run "a04-does-it":

```
ali.irsyaad@badak: ~/Demos/Week01

ali.irsyaad@badak:~/Demos/Week01$ bash a04-does-it-exist

[a04-does-it]: # R: Does "ZA-thisfile.txt" exists? Run "bash a04-does-it-exist"

ZA-thisfile.txt does not EXISTS!
```

Run "a05-finding":

```
C:\ ali.irsyaad@badak: ~/Demos/Week01

ali.irsyaad@badak:~/Demos/Week01$ bash a05-finding-EXIST

[a05-finding]: # R: Finding "EXISTS". Just run "bash a05-finding-EXIST"

File list:
==========
a01-READ-ME
a02-sort-n-prepare
a03-command-lines-demo
a04-does-it-exist YES ********
a05-finding-EXIST YES ********
a06-loop
a07-tester
a08-append-a-file
a09-add-numbers
a10-mysha1
a11-banding
a12-fixfs
a13-last
a14-absen
a15-uts171
a16-uts181
a17-uts182
a18-uts191
a19-uts192
```

Run "a06-loop":

```
C:\ ali.irsyaad@badak: ~/Demos/Week01

ali.irsyaad@badak:~/Demos/Week01$ bash a06-loop 11 22 33 44

[   a06-loop]: # R: Just run "bash a06-loop 11 22 33 44"

==============
Loop with [*]
11 22 33 44
==============
Loop with [@]
11
22
33
44
```

Run "a07-tester":

```
ali.irsyaad@badak: ~/Demos/Week01
ali.irsyaad@badak:~/Demos/Week01$ bash a07-tester

[ a07-tester]: # R: Just run "bash a07-tester"

================================
[ZA-thisfile.tx] is a file
[ZA-thisfile.tx] is NOT a directory
================================
[ZB-SOURCE] is NOT a file
[ZB-SOURCE] is a directory
================================
[NOTHING] is NOT a file
[NOTHING] is NOT a directory
================================
```

Run "a08-append":

```
ali.irsyaad@badak: ~/Demos/Week01
ali.irsyaad@badak:~/Demos/Week01$ bash a08-append-a-file

[a08-append-]: # R: Just run "bash a08-append-a-file"

APPENDING: into ZA-thisfile.txt ==============
Appending: f1
Appending: f2
Appending: f3
Appending: f4
Appending: f5
Appending: f6
==============================================
FILE: ZA-thisfile.txt
f1 f2 f3
f4
f5
f6
==============================================
Displaying word by word of ZA-thisfile.txt ===
Word(1): f1
Word(2): f2
Word(3): f3
Word(4): f4
Word(5): f5
Word(6): f6
```

Run "a09-add-num":

```
ali.irsyaad@badak: ~/Demos/Week01
ali.irsyaad@badak:~/Demos/Week01$ bash a09-add-numbers ZA-thisfile.tx

[a09-add-num]: # R: Add line numbers to a file. Run "bash a09-add-numbers ZA-thisfile.tx"
```

Run "a10-mysha1":

```
ali.irsyaad@badak: ~/Demos/Week01
ali.irsyaad@badak:~/Demos/Week01$ bash a10-mysha1
Enter student ID (NPM)
1806141132
Student ID (NPM): 1806141132
SHA1SUM=ed229a3d9411e1079cdefaff94f2b4ab949843a9
CUT=ed229a3d94
TRANS=ED229A3D94
Student ID HASH:  0ED229A3D94
ali.irsyaad@badak:~/Demos/Week01$
```

Run "a11-banding":

```
ali.irsyaad@badak: ~/Demos/Week01
ali.irsyaad@badak:~/Demos/Week01$ bash a11-banding
banding apa: naik atau turun?
banding xx:  togle naik/turun
Create STAMPS
START: TO TESTBACKUP (^^^^^ NAIK ^^^^^)
-rw-r--r-- 1 ali.irsyaad StafCS 0 Feb  9 15:12 ZB-SOURCE/.XSTAMP1
-rw-r--r-- 1 ali.irsyaad StafCS 0 Feb  9 15:12 ZC-BACKUP/.XSTAMP2
READY? (HIT ENTER) --

Sun Feb  9 15:12:23 WIB 2020
sending incremental file list
(new) backup_dir is /tmp/BAK1-rsync-19825
deleting .XSTAMP2
./
#wah , berkas * ini ^ aneh & ajaib
.XSTAMP1
16-5A9FFD923E.txt
80x23.txt
SIAK.txt
[email anda : cicak@bin.kadal?!]
abcd 'xyz NNNN
file.awk
file1.txt
file2.txt
```

Run "a12-fixfs":

```
ali.irsyaad@badak: ~/Demos/Week01
ali.irsyaad@badak:~/Demos/Week01$ bash a12-fixfs

[  a12-fixfs]: # R: fixfs: fixing file systems name and mode. Run "bash a12-fixfs"
```

Run "a13-last":

```
ali.irsyaad@badak: ~/Demos/Week01
ali.irsyaad@badak:~/Demos/Week01$ bash a13-last
ali.irsyaad@badak:~/Demos/Week01$ bash a13-last
ali.irsyaad@badak:~/Demos/Week01$ _
```

Run "a14-absen":

```
ali.irsyaad@badak:~/Demos/Week01$ bash a14-absen
ali.irsyaad@badak:~/Demos/Week01$
```

Kesimpulan:

Program yang telah saya jalankan menunjukan seberapa bergunanya shell script. Dalam hal ini mengimplementasikan awk regex.