Day 8:ii - Shell Scripting for DevOps

in shell script, we can use grep command for desired output.

example shell script :

echo 1
echo 12
echo 13
echo 14
echo 15
echo 21
echo 22
echo 23
echo 55
echo 99

if we execute this script, we'll get the below output :

```
hari@Hari:~$ vim sample.sh
hari@Hari:~$ ./sample.sh
Hello AWS DevOps vim
1
12
13
14
15
21
22
23
55
99
hari@Hari:~$ █
```

for specific output :

./sample.sh | grep 1

```
hari@Hari:~$ ./sample.sh | grep 1
1
12
13
14
15
21
hari@Hari:~$
```

awk command :

if you want to know about process ID, only a specfic coloun or information. awk will filter the information from the output.
actual command : ps -ef | grep python3

```
hari@Hari:~$ ps -ef | grep python3
root         158       1  0 22:30 ?        00:00:00 /usr/bin/python3 /usr/bin/networkd-dispatcher --run
root         239       1  0 22:30 ?        00:00:00 /usr/bin/python3 /usr/share/unattended-upgrades/una
root         327     236  0 22:30 ?        00:00:05 /snap/ubuntu-desktop-installer/1286/usr/bin/python3
 --storage-version=2 --postinst-hooks-dir=/snap/ubuntu-desktop-installer/1286/etc/subiquity/postinst.d
root         461     327  0 22:30 ?        00:00:23 python3 /snap/ubuntu-desktop-installer/1286/usr/bin
hari       17375     365  0 23:40 pts/0    00:00:00 grep --color=auto python3
```

ps -ef | grep python3 | awk -F" " '{print $2}'

```
hari@Hari:~$ ps -ef | grep python3 | awk -F" " '{print $2}'
158
239
327
461
17416
hari@Hari:~$ █
```

using the above command, we retrived the process ID's

expriments :

```
hari@Hari:~$ ps -ef | grep python3
root         158       1  0 22:30 ?        00:00:00 /usr/bin/python3 /usr/bin/networkd-dispatcher --run
root         239       1  0 22:30 ?        00:00:00 /usr/bin/python3 /usr/share/unattended-upgrades/una
root         327     236  0 22:30 ?        00:00:05 /snap/ubuntu-desktop-installer/1286/usr/bin/python3
 --storage-version=2 --postinst-hooks-dir=/snap/ubuntu-desktop-installer/1286/etc/subiquity/postinst.d
root         461     327  0 22:30 ?        00:00:23 python3 /snap/ubuntu-desktop-installer/1286/usr/bin
hari       17375     365  0 23:40 pts/0    00:00:00 grep --color=auto python3
hari@Hari:~$ ps -ef | grep python3 | awk -F" " '{print $2}'
158
239
327
461
17416
hari@Hari:~$ ps -ef | grep python3 | awk -F" " '{print $5}'
22:30
22:30
22:30
22:30
23:42
hari@Hari:~$ ps -ef | grep python3 | awk -F" " '{print $6}'
?
?
?
?
pts/0
hari@Hari:~$ ps -ef | grep python3 | awk -F" " '{print $7}'
00:00:00
00:00:00
00:00:05
00:00:23
00:00:00
hari@Hari:~$ ps -ef | grep python3 | awk -F" " '{print $8}'
/usr/bin/python3
/usr/bin/python3
/snap/ubuntu-desktop-installer/1286/usr/bin/python3.10
python3
grep
```

set -e : it exits the script when there is an error

set -o : pipe fail

Time Stamp :: 37:22