

Write a shell script to change the values in a file(i.e sig.conf) according to the input passed to the script. The script should ask for all four inputs from the user & also validate the input.

Below are the details of input. In full bracket options are given, you have to restrict the user pass single value for each input from the provided options in the full bracket.

Input:-

- 1) Component Name [**INGESTOR/JOINER/WRANGLER/VALIDATOR**]
- 2) Scale [**MID/HIGH/LOW**]
- 3) View [**Auction/Bid**]
- 4) Count [**single digit number**]

Explanation of a conf file line.

<view> ; <scale> ; <component name> ; ETL ; vdopia-etl= <count>

Note:- vdopiasample stands for Auction & vdopiasample-bid is for Bid

The script should change the values in the file according to the input provided. At a time only one line of the conf file should be altered.

```
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice
sigmoid@sigmoid-ThinkPad-T470:~$ find sig.conf
find: 'sig.conf': No such file or directory
sigmoid@sigmoid-ThinkPad-T470:~$ ls
Desktop Documents Downloads mbox Music Pictures Public showtime.log snap Templates Videos
sigmoid@sigmoid-ThinkPad-T470:~$ cd Desktop/
sigmoid@sigmoid-ThinkPad-T470:~/Desktop$ ls
practice
sigmoid@sigmoid-ThinkPad-T470:~/Desktop$ cd practice/
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$ nano sig.conf
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$ cat sig.conf
vdopiasample ; MID ; INGESTOR ; ETL ; vdopia-etl=3
vdopiasample-bid ; LOW ; JOINER ; ETL ; vdopia-etl=1
vdopiasample ; HIGH ; VALIDATOR ; ETL ; vdopia-etl=5
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$
```

```
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice
sigmoid@sigmoid-ThinkPad-T470:~$ find sig.conf
find: 'sig.conf': No such file or directory
sigmoid@sigmoid-ThinkPad-T470:~$ ls
Desktop Documents Downloads mbox Music Pictures Public showtime.log snap Templates Videos
sigmoid@sigmoid-ThinkPad-T470:~$ cd Desktop/
sigmoid@sigmoid-ThinkPad-T470:~/Desktop$ ls
practice
sigmoid@sigmoid-ThinkPad-T470:~/Desktop$ cd practice/
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$ nano sig.conf
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$ cat sig.conf
vdopiasample ; MID ; INGESTOR ; ETL ; vdopia-etl=3
vdopiasample-bid ; LOW ; JOINER ; ETL ; vdopia-etl=1
vdopiasample ; HIGH ; VALIDATOR ; ETL ; vdopia-etl=5
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$ nano update_sig_conf.sh
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$ chmod 755 update_sig_conf.sh
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$ ls
sig.conf update_sig_conf.sh
sigmoid@sigmoid-ThinkPad-T470:~/Desktop/practice$
```

I created a Bash shell script to update the sig.conf configuration file based on user input. The script takes four inputs from the user, validates them against predefined values, maps the View to the required internal format, and updates only one line in the file while keeping the rest of the file unchanged.