

Faculty of Engineering and Technology Electrical and Computer Engineering Department LINUX LABORATORY ENCS313

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Section: 2

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This Linux Project talks about generation a system manual for Linux/Unix commands using shell scripting.

PART #1

The first part needed to generate the manual in a file specified to each command in this file there should be a small Description for the command , the version "History" , an example on the command and Related commands to the commands "Just like in the picture below" All the command file should satisfy the CISCO template

PART#2

The second part in this project is to check if the data in the file is a correct data by checking the data in the file with the original source that we have get the data from.

So we check the four requirements in each command file and print if they are the same or not

```
faten@faten-VirtualBox:-/Desktop/finalProji$ ./main.sh
Which script would you like to run?

1) Generate the all commands info

2) Verification

3) Search && Recommendation
PLEASE CHOOSE ONE OF THE RECOMMENDED (1/2/3/4): 2
Enter the command name:
ls

The Description Comparison is the same
The Version History Comaparison is the same
The Related Commands are not the same!!!
The Examples for both commands are not equal.
faten@faten-VirtualBox:-/Desktop/finalProji$ ./main.sh
Which script would you like to run?
1) Generate the all commands info
2) Verification
3) Search && Recommendation
PLEASE CHOOSE ONE OF THE RECOMMENDED (1/2/3/4): 2
Enter the command name:
sed

The Description Comparison is the same
The Version History Comaparison is the same
The Related Commands are the same
The Related Commands are the same
The Examples for both commands are equal.
faten@faten-VirtualBox:-/Desktop/finalProji$
```

PART#3.1

For this section of the project, it is divided to two parts The first part talks about researching on the commands files

The user will enter a word / commands / letters and the system will print the commands that have these characters – word – command and printing them

```
Proji$ ./main.sh
Which script would you like to run?
 1) Generate the all commands info
2) Verification
3) Search && Recommendation
PLEASE CHOOSE ONE OF THE RECOMMENDED (1/2/3/4): 2
Enter the command name:
The Description Comparison is the same
The Version History Comaparison is the same
The Related Commands are the same
The Examples for both commands are equal.
                                                            alProj1$ ./main.sh
which script would you like to run?

1) Generate the all commands info

2) Verification

3) Search && Recommendation
PLEASE CHOOSE ONE OF THE RECOMMENDED (1/2/3/4): 3 Which script would you like to run?
1) Research
2) Recommmend commands
PLEASE CHOOSE ONE OF THE RECOMMENDED (1/2/3/4): 1
Please Enter The Word You Are Looking For:
file
the recomended commands are the following:
awk
cat
chmod
chown
diff
find
grep
head
sudo
tail
touch
```

PART#3.2

For the last part in this project the needed here is to ask the user if they wanted to know the commands' file that are related to the command that they have entered or not If the answer is yes the system will print them

If the answer is no the system will not printing them.