Alfredo Perez

Sed Lab

Linux Administration

1. Change the name Meg to Megan.

sed -i 's/Meg/Megan/g' datebook

Text

Description automatically generated

The -i on the sed command is used to switch the name from Meg to Megan on the file

2. Delete the last 3 lines.

Sed -e '1,3d' datebook

Text

Description automatically generated

We are using 50 to start from line 50 of the file and 54 is line 54 which is the last line of the file, d is to delete the lines

3. Print lines 2 through 4.

sed -n ‘2,4p' datebook

Text

Description automatically generated

The number 2 is line 2 and 4 is line 4, we are using p is to print them, the little space between them also counts as a line so I had to use ‘2,8’ to show them

4. Delete lines containing Place.

sed --in-place '/place/d' datebook

Text

Description automatically generated

We are using the slashes to concentrate on the word place and d is to remove them

5. Print all lines where the birthdays are in the first week of the month.

sed '/[0-9]\{2\}\/0[0-7]\{1\}\/[0-9]\{2\}/p' datebook

Text

Description automatically generated

We use multiple slashes and parenthesis to focus on the numbers that are going to print the dates and p is to print them

6. Append three asterisks to the end of lines starting with Sir.

sed -i 's/^Sir.\*/&\\*\\*\\*/' datebook

Text

Description automatically generated

^ is used to focus on the word of your choosing which is Sir in this case and we use both slashes to append the asterisks next to the name.

7. Replace the line containing “Westley with the phrase "As you wish"

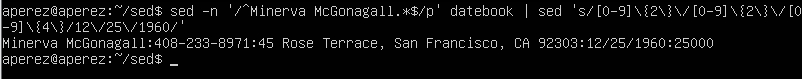
sed -i 's/^Westley Pirate.\*$/As you wish./' datebook.txt

Text

Description automatically generated

We use the ^ to focus on the name “Westley Pirate” and the $ to change it to “As you wish” while using the slashes

8. Change Minerva McGonagall's birthday to 12/25/1960 . Assume you don't know Minerva's original birthday. Use a regular expression to search for it.

sed -n '/^Minerva McGonagall.\*$/p' datebook | sed 's/[0-9]\{2\}\/[0-9]\{2\}\/[0-9]\{4\}/12\/25\/1960/'

^ focus on the name, the s/ [0-9] are searching for the birthday, The second part changes it to her birthday of 12/25/1960

9. Delete all blank lines.

sed '/^$/d' datebook

Text

Description automatically generated

^$ is to focus on the blank lines since nothing is typed on the command, d is to delete

10. Write a sed script that will (actual sed script, NOT just the commands on the command line)

1. Insert above the first line the title - Great Literary Characters -.
2. Remove the duplicate lines
3. Print the contents of the file with the first name then the phone number.
4. Append at the end of the file "Happily Ever after. The End"

Text

Description automatically generated

Text

Description automatically generated

On Part C. Alpha works the same as [‘A-Za-z]’ so It’s looking for the names and the asterisk with slashes is looking for the phone numbers.

Sources

<https://regexr.com/>

<https://regexone.com/>

<https://www.gnu.org/software/sed/manual/html_node/Character-Classes-and-Bracket-Expressions.html>