Adam Kentel

Lab 3 Sed

SED stands for stream editor. It is used mostly used to substitute or replace parts of a file. But is also able to insert or delete. SED allows you to make changes to files without opening them.

Syntax

Sed [options] [script] [inputfile]

(This was done on CentOs 8. Executed on 11-24-22.)

**Query 1: Change the name Jo to Josephine**

*sed -n "s/Jo /Josephine /p" SedLab*

Output



**Query 2: Delete the last 5 lines.**

*sed ’48,53d’ SedLab*

Output

Text

Description automatically generated

**Query 3: Print lines 3-15.**

*sed -n “3,15p” SedLab*

Output

Text

Description automatically generated

**Query 4: Delete lines for people who live in California**

*sed “/CA/d” SedLab*

Output

Text

Description automatically generated

**Query 5: Print all lines where the birthdays are in the first week of the month. Be careful of the dates for birthdays, the format is MM/DD/YY.**

*sed -n '/\/[1-7]\//p' SedLab*

Output

Text

Description automatically generated

**Query 6: Append three asterisks (\*) to the end of lines starting with Sir**

*sed -n '/^Sir/s/$/\*\*\*/p' SedLab*

Output



**Query 7: Replace the line containing “Westley Pirate” with the phrase “As you wish.” Make sure you replace the whole line not just the name**

*sed “/Westley Pirate/c As you wish” SedLab*

Output

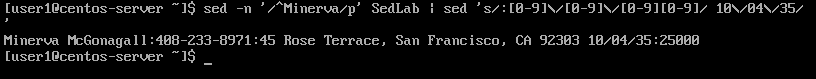
Text

Description automatically generated

**Query 8: Change Minerva McGonagall’s birthday to 10/04/1935. Assume you don’t know Minerva’s original birthday. Use a regular expression to search for it.**

*sed -n '/^Minerva/p' SedLab| sed 's/:[0-9]\/[0-9]\/[0-9][0-9]/ 10\/04\/35/'*

Output



**Query 9: Delete all blank lines.**

*sed ‘/^$/d’ SedLab*

Output

Text

Description automatically generated

**Query 10: Write a sed script (not commands in the commands on command line) that will:**

**(a) Insert above the first line the title - Great Literary Characters -.**

**(b) Print the contents of the file with only the last name then the phone number.**

**(c) Append at the end of the file ”Happily Ever after. The End”**

*Cut -d’:’ -f 1,2 SedLab | ./sedlabp10*

In The sed script file

#!/bin/sed -nf

1 i\- Greet Literary Characters -

$a \Happily Ever After\. The End;

Output

Text

Description automatically generated

[Sed Command in Linux/Unix with examples - GeeksforGeeks](https://www.geeksforgeeks.org/sed-command-in-linux-unix-with-examples/)

[cut command in Linux with examples - GeeksforGeeks](https://www.geeksforgeeks.org/cut-command-linux-examples/)