1. Print all lines containing the string Street.

grep ‘Street’ datebook

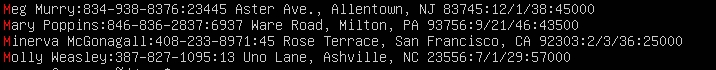
Text

Description automatically generated

Grep is some kind of software tool to look for strings and numbers. In this case, we are looking for the string “Street”.

1. Print all lines where the person's first name starts with M.

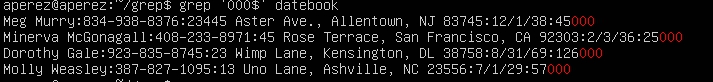
grep ‘^M’ datebook



We use ^ to start with any word or letter of our choosing, in this case M.

1. Print all lines ending in 000.

grep ‘000$’ datebook



$ is used to start detecting the lines from the end of the line.

1. Print all lines that don’t contain 408.

grep -v -e ‘408’ datebook

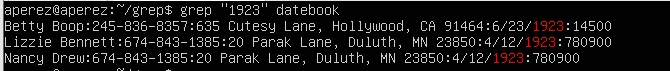
Text

Description automatically generated

When we use -v, it will only display the lines that do not have 408.

1. Print all lines where birthdays are in the year 1923.

grep “1923” datebook



1. Print all lines where the phone number is in an area code that starts with an 8.

grep -E ':8[0-9]{2}-[0-9]{3}-[0-9]{4}:' datebook

Text

Description automatically generated

We use the number that we want to start with which is “8” and then the [0-9] command to make sure that the number 8 is in the format.

1. Print all lines containing an uppercase letter, followed by five lowercase letters, a comma and one uppercase letter.

grep '[A-Z][a-z]\{5\}, [A-Z]' datebook

Text

Description automatically generated

We use the command [A-Z] to print capital letters and [a-z] for lower case. {5\} is to show 5 lower case letters.

1. Print lines where the address begins with a two or three digit number (so this would be 12 main st or 123 main street but not 1234 main street).

grep -E '[[:digit:]]{2,3}' datebook

Text

Description automatically generated

“Digit” works the same as [0-9] so we are using it to focus on numbers and {2,3} will only display 2 or 3 digits for the address

1. Print lines preceded by a line number where the person is from Massachusetts (or MA) grep -n -e "Massachusetts" -e "MA" datebook



1. Print lines containing an address that doesn't include Street or St

grep -E -v "St|Street" datebook

Text

Description automatically generated

-v will remove the words that are inside the quotes which are Street and St from the lines that have them

Source

https://www.gnu.org/software/sed/manual/html\_node/Character-Classes-and-Bracket-Expressions.html