\* some commonly used filters are: grep, sort, cut, paste, head, tail more, tee, tr. wc, pg.

head 10 F-N 4 start lines of file. Clock files head & tail are used for runtime files like servers to get real time responses.

Grep

Global search for regular expression and print utility, is the standard file searching and selection utility.

\* used to search for a particular pattern of chars and display all the lines containing the pattem.

find file name

grep contents in file

\* Examines the alp file buline by line for the given pattern, when a match is found, the line is copied to the standard olp file

\* No o/p is produced when the desired pattern is not found.

$ grep <pattem >< file name>

options

2-3 prints line nos

- the reverse search criterion

-C} display only count of matching patterns

Regular Expressions:

"A" y begining of line

"$" end of line

} any single char to match with

[...] } any one char from list.

[^...] } string begining from any char after A will be exeluded

y used in conjunction with above. Negates meaning of special char following it

Options with grep

& display those lines that do not match

-V

4 Precede each matching line

-C

& Print only the total count of matched lines.

-i

3 ignore case

-1

grep -iv bob" employee txt

grep "Pat... $" EN.

grep "Pat... FN

grep 6[0-9][0-9][0-9]" employee. dat

> grep -i "Bla-z] [a-21" employee.dat

p tettsh testeish

scp testi-sh user65@10.2.87.132:/ home 1/user66/ testoldir/testi.sh

Library

1) static library

vi cale.C

-c cale.c-o cole.o

> ar rcs mylib.a calc.o

2) Shared library

These are not embedded into the executable but are loaded at runtime.

Logical Operators

\*&\* operator delimits two commands. Secoed Command is executed only if first succeed.

II operators delimit two commands. Second command is executed only if first fails.

$ grep 'director' emp-list

Relational operabos for numbers.

eq Equal to

\* specify condition either

ne: Not equal to

using test or [condition)

gt: Greater than

Ex: test $1 -eq 12

ge: Greater than I equal to

• it less than

IC : less than or equal to

Operators:

-n str y True if str not a null string

-2 str 3 True if str is a null string

$1!=52 3 True if 51 52

5152 } True, if 51 - 52

str } True, if str is assigned and not null

Logical operators

-a

AND

-0

!

3 OR

Not

case command

>> case <expression> in

<pattern 1>) <execute commands >;; <pattern 27) <excute commands >;;

esac

Example

2) echo "In Enter Option : IC"

read choice

case & choice in

2) ps-f;;

3) date ;;

4) who;;

$-wall } to give all the warnings.

→-93 used to debug

>-f Pic } to create shared library

-I I to know path names of header file

-ansi

}

to use code in every IDE

-std

--save\_temps & to get intermediate files

Make

\* It is used to maintain group of programs

Vi calc.h

cd .../scr

Error

•/src/cak.c:1:10: fatal error: calchi No such file or directory

11 #include <cale.h>

⇒ tree 3 command