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File names.txt
searching for strings:
grep Raman names.txt
cat names.txt | grep Raman
grep Sa names.txt
grep Anu names.txt
grep 'ai' names.txt
man dmesg
dmesg > dmesg.txt
grep VGA dmesg.txt
grep usb dmesg.txt
Use of dot:
grep 'S.n' names.txt
grep '.am' names.txt
grep '.am.' names.txt
grep 'M.' names.txt
Use of \ to escape special meaning:
grep '\.' names.txt
grep ' .\. ' names.txt
Use of ^ for start of line:
grep '^M' names.txt
grep '^E' names.txt
Use of $ for end of line:
grep 'm$' names.txt
grep 'n$' names.txt
Use of \b for word boundary:
grep '.n\b' names.txt
Use of [] for character set:
grep 'M[ME]' names.txt
grep 'E[ED]' names.txt
grep 'S.*[mn]' names.txt
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grep '[aeiou][aeiou]' names.txt
Use of [] for character range:
grep 'B90[3-6]' names.txt
grep '[M-Z][aeiou]' names.txt
Use of ^ inside [] for character range to avoid:
grep 'B90[1-3]' names.txt
grep B90[^1-3] names.txt
grep '[M-Z][aeiou]' names.txt
Use of \{n,m\} for a character:
grep M\{2\}' names.txt
grep M\{1,2\} names.txt
grep E\{1,2\} names.txt
Use of \setminus( \setminus) for grouping of characters:
grep '\(ma\).*\1' names.txt
grep '\(a.\).*\1' names.txt
grep '\(a.\)\{2\}' names.txt
grep '\(a.\)\{3\}' names.txt
Use of egrep or grep -E:
egrep '^M+' names.txt
egrep '^E+' names.txt
egrep '(ma)+' names.txt
egrep '(ma)*' names.txt
egrep '(ED|ME)' names.txt
egrep '(an|am)' names.txt
egrep '(an|am)$' names.txt
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cat chartypes.txt for character set examples grep '[[:alpha:]]' chartypes.txt alphabetical chars: grep '^[[:alpha:]]' chartypes.txt grep '[[:alpha:]]\$' chartypes.txt alphanumeric chars: grep '^[[:alnum:]]' chartypes.txt grep '[[:alnum:]]\$' chartypes.txt decimal digits: grep '^[[:digit:]]' chartypes.txt grep '[[:digit:]]\$' chartypes.txt control chars: grep '^[[:cntrl:]]' chartypes.txt grep '[[:cntrl:]]\$' chartypes.txt puncutation symbols: grep '^[[:punct:]]' chartypes.txt grep '[[:punct:]]\$' chartypes.txt lower case char: grep '^[[:lower:]]' chartypes.txt grep '[[:lower:]]\$' chartypes.txt upper case char: grep '^[[:upper:]]' chartypes.txt grep '[[:upper:]]\$' chartypes.txt

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printable char:
grep '^[[:print:]]' chartypes.txt
grep '[[:print:]]$' chartypes.txt

space or tab:
grep '^[[:blank:]]' chartypes.txt
grep '[[:blank:]]$' chartypes.txt

space : white space char
grep '^[[:space:]]' chartypes.txt
grep '[[:space:]]$' chartypes.txt

graph : non-space char
grep '^[[:graph:]]' chartypes.txt
grep '[[:graph:]]$' chartypes.txt

skip all empty lines
egrep -v '^$' chartypes.txt
```

Picking up patterns from a text file:
cat patterns.txt
egrep '[[:digit:]]{12}' patterns.txt
egrep '[[:digit:]]{10}' patterns.txt

Use \b for word boundary:
egrep '\b[[:digit:]]{10}\b' patterns.txt
egrep '[[:digit:]]{6}' patterns.txt
egrep '\b[[:digit:]]{6}\b' patterns.txt
egrep '\b[[:digit:]]{6}\b' patterns.txt
egrep '[[:alpha:]]{2}[[:digit:]]{2}[[:alpha:]][[:digit:]]
{3}' patterns.txt
egrep '\b[[:alnum:]]+\.[[:alnum:]]+\b' patterns.txt

cat fields.txt Using characters: cat fields.txt | cut -c 1-4 cat fields.txt | cut -c 6-10 Using space as delimiter: cat fields.txt | cut -d " " -f 1 cat fields.txt | cut -d " " -f 1-2 cat fields.txt | cut -d ";" -f 1 cat fields.txt | cut -d ";" -f 2 cat fields.txt | cut -d "," -f 1 cat fields.txt | cut -d "," -f 2 Combining cut to change delimiter: cat fields.txt | cut -d ";" -f 2 | cut -d "," -f 1 Combining cut, head and tail: cat fields.txt | cut -d ";" -f 2 | cut -d "," -f 1 | head -n 2 | tail -n 1