Pattern Matching using egrep

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Create a file student.dat with following data

name surname marks grade

rameshchandra mane 79 A+

suresh bahrti 88 A++

rajat bhosle 25 C

suraj pancholi 65 A

manoj sharma 55 B

rahul varma 87 A++

manoj pandey 56 B

suraj rajguru 45 B

1. Display all names starting with s

* [admin@sushil ~]$ egrep "^s" student.dat

suresh bahrti 88 A++

suraj pancholi 65 A

suraj rajguru 45 B

2. Display whose name ending with e or i

* [admin@sushil ~]$ egrep "[a-zA-Z]\*[ei]" student.dat

rameshchandra mane 79 A+

suresh bahrti 88 A++

rajat bhosle 25 C

suraj pancholi 65 A

manoj pandey 56 B

3. Display who got 65 marks

* [admin@sushil ~]$ egrep " 65 " student.dat

suraj pancholi 65 A

4. Display data of records whose surname is Sharma is varma

* [admin@sushil ~]$ egrep " sharma| varma" student.dat

manoj sharma 55 B

rahul varma 87 A++

5. Display who got grade A only

* [admin@sushil ~]$ egrep " A$" student.dat

suraj pancholi 65 A

6. Display whose 3rd charcter of name is r

* [admin@sushil ~]$ egrep "^..r" student.dat

suresh bahrti 88 A++

suraj pancholi 65 A

suraj rajguru 45 B

7. Display whose second character is a or r or t

* [admin@sushil ~]$ egrep "^.[aor]" student.dat

rameshchandra mane 79 A+

rajat bhosle 25 C

manoj sharma 55 B

rahul varma 87 A++

manoj pandey 56 B

8. Display names whose length is exactly 5 character

* [admin@sushil ~]$ egrep "^..... " student.dat

rajat bhosle 25 C

suraj pancholi 65 A

manoj sharma 55 B

rahul varma 87 A++

manoj pandey 56 B

suraj rajguru 45 B

9. Display names whose length is more than 6 character

* [admin@sushil ~]$ egrep "^.......+" student.dat

rameshchandra mane 79 A+

suresh bahrti 88 A++

rajat bhosle 25 C

suraj pancholi 65 A

manoj sharma 55 B

rahul varma 87 A++

manoj pandey 56 B

suraj rajguru 45 B

10. Display name whose marks are ending with 6

* [admin@sushil ~]$ egrep " [0-9]\*6" student.dat

suraj pancholi 65 A

manoj pandey 56 B

11. Display grade with A+ only

* [admin@sushil ~]$ egrep " A\+$" student.dat

rameshchandra mane 79 A+

[admin@sushil ~]$

Noninteractive Editing using sed

1. Copy the file /etc/syslog.conf to the current directory as syslog.conf. Insert blank line after every line in the file syslog.conf.

* [admin@sushil ~]$ cp /etc/syslog.conf syslog.conf sed G syslog.conf > temp && mv temp syslog.conf

2. Remove the blank lines from the file syslog.conf

* [admin@sushil ~]$ sed -i '/^$/d' syslog.conf

3. Print the first 3 lines of the file syslog.conf

* [admin@sushil ~]$ head -n 3 syslog.conf

4. Print lines from 3rd to 5th from the file /etc/syslog.conf

* [admin@sushil ~]$ sed -n '3,5p' /stc/syslog.conf

5. Insert some spaces in the beginning(leading spaces) & end of each line(trailing spaces) manually using vi editor

* [admin@sushil ~]$ vi syslog.conf

6. Through sed command remove the leading spaces & trailing spaces in the above file

* [admin@sushil ~]$ sed -i 's/^[ \t]\*//;s/[ \t]\*$//' syslog.conf

7. Substitute kern with kernel in the file syslog.conf & then substitute back to kern.

* [admin@sushil ~]$ sed -i 's/kern/kernel/g' syslog.conf

[admin@sushil ~]$ sed -i 's/kernel/kern/g' syslog.conf

8. Search for the lines containing the word kern & write those lines into a file kern.conf

* [admin@sushil ~]$ grep 'kern' syslog.conf > kern.conf

9. Print all the lines of the file syslog.conf except the 3rd line.

* [admin@sushil ~]$ sed '3d' syslog.conf

10. Delete each line that contains the pattern kern

* [admin@sushil ~]$ sed -i '/kern/d' syslog.conf

Create a file “Employee.dat” with text as follows

James 76382 ECAP Chennai

John 34228 GRIT Hyderabad

Peter 22321 GE Bangalore

Albert 32342 GRIT Pune

Mathew 23222 ECAP Mumbai

Richard 23232 ACS Pune

1. Write a sed command to print only the lines starting at line 2 and ending with the letters “Pune”

* [admin@sushil ~]$ sed -n '2,/Pune$/p' employee.dat

Albert 32342 GRIT Pune

2. Write a sed command that will display the top 5 lines from the file

* [admin@sushil ~]$ sed -n '1,5p' employee.dat

James 76382 ECAP Chennai

John 34228 GRIT Hyderabad

Peter 22321 GE Bangalore

Albert 32342 GRIT Pune

Mathew 23222 ECAP Mumbai

3. Write a sed command that will substitute the word “Chennai” for "Pune" used in all instance of the word

* [admin@sushil ~]$ sed -i 's/Chennai/Pune/g' employee.dat

4. Write a sed command that will replace occurrence of the character e with the string UNIX in all lines. (Use –e option)

* [admin@sushil ~]$ sed -e 's/e/UNIX/g' employee.dat

JamUNIXs 76382 ECAP PunUNIX

John 34228 GRIT HydUNIXrabad

PUNIXtUNIXr 22321 GE BangalorUNIX

AlbUNIXrt 32342 GRIT PunUNIX

MathUNIXw 23222 ECAP Mumbai

Richard 23232 ACS PunUNIX

5. Write a sed command to delete blank lines

* [admin@sushil ~]$ sed -i '/^$/d' employee.dat

6. Write a sed command to delete lines from 3 to 5

* [admin@sushil ~]$ sed -i '3,5d' employee.dat

7. Create a new file “ECAP.dat which has only the lines that contain the word

“ECAP” from Employee.dat

* [admin@sushil ~]$ grep "ECAP" employee.dat > ECAP.dat

Report Generation using awk

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1. Consider the results are stored in following format:

EmpID Name Subject Marks(/50)

E001 Nilesh Unix 30

E002 Nilesh DSA 20

Like these you have 10 records ( 5 of DSA and 5 of Unix)

Calculate the avg score secured in Unix and DSA and the first 2 topers in Unix and DSA each.

* BEGIN { unix\_total=0; unix\_count=0; dsa\_total=0; dsa\_count=0; }

$3=="Unix" { unix\_total+=$4; unix\_count++; }

$3=="DSA" { dsa\_total+=$4; dsa\_count++; }

END {

if (unix\_count > 0) printf "Average Unix Marks: %.2f\n", unix\_total/unix\_count;

if (dsa\_count > 0) printf "Average DSA Marks: %.2f\n", dsa\_total/dsa\_count;

}' results.dat

[admin@sushil ~]$ awk '

> $3=="Unix" { print $0; }' results.dat | sort -k4 -nr | head -2

> echo

> $3=="DSA" { print $0; }' results.dat | sort -k4 -nr | head -2

2. Write a script to get the report of the users logged on to the System in

the following formats. (Records should be sorted on logging time.)

Header must include company name and Date

Records in the format

Username Logged-in-time Terminal

Tailor should include total number of the users logged in.

* #!/bin/bash

COMPANY\_NAME="MyCompany Pvt Ltd"

Date=$(date + %Y-%m-%d %H:%M:%S")

echo "======================================================="

echo " $COMPANY\_NAME Login Report "

echo " Date: $Date "

echo "======================================================="

echo ""

echo "Username Logged-in-time Terminal"

echo "--------------------------------------------------------"

who --sort=time | awk '{print $1, $3, $2}'

TOTAL\_USERS=$(who | wc -l)

echo "-----------------------------------"

echo "Total number of users logged in: $TOTAL\_USERS"

[admin@sushil ~]$ chmod +x user\_report.sh

[admin@sushil ~]$ ./user\_report.sh

3. Consider a text file containing the records (colon separated fields) in the format:

EmpName:EmpId:Subject:ObtMarks:TotMarks:Result

Write a script to get the result of “UNIX” Subject in the format (Considering the data file has TotMarks=50 for UNIX)

EmpName:ObtMark:MarksOutof35

The header of the report must contain total marks and the tailor must

specify the percentage result for that subject.

Also generate another summary result containing total number of

participants appeared, total number of participants passed, and Name of

the participants ranked Ist IInd, IIIrd with their total score.

* #!/bin/bash

FILE="results.dat"

TOTAL\_MARKS=50

NEW\_TOTAL=35 # We will scale marks to 35

echo "======================================="

echo " UNIX Subject Report "

echo "======================================="

echo "Total Marks: $TOTAL\_MARKS"

echo ""

echo "EmpName Obt Marks Marks Out of $NEW\_TOTAL"

echo "-----------------------------------------------"

awk -F: '

$3 == "UNIX" {

scaled\_marks = ($4 / 50) \* 35; # Scale marks to 35

printf "%-10s %-10s %-10.2f\n", $1, $4, scaled\_marks;

total\_marks[$1] = $4;

participants++;

if ($4 >= 25) passed++;

}

END {

printf "-----------------------------------------------\n";

printf "Percentage Result: %.2f%%\n", (passed / participants) \* 100;

}' "$FILE"

echo ""

# Generate Summary Report

echo "======================================="

echo " Summary Report "

echo "======================================="

echo "Total Participants: $(awk -F: '$3=="UNIX"{count++} END {print count}' $FILE)"

echo "Total Passed: $(awk -F: '$3=="UNIX" && $4>=25{count++} END {print count}' $FILE)"

# Get top 3 rankers

echo ""

echo "Top 3 Rankers (UNIX Subject):"

awk -F: '$3 == "UNIX" { print $1, $4 }' "$FILE" | sort -k2 -nr | head -3 | awk '

NR==1 { print "Ist Rank: " $1 " with " $2 " marks" }

NR==2 { print "IInd Rank: " $1 " with " $2 " marks" }

NR==3 { print "IIIrd Rank: " $1 " with " $2 " marks" }

'

4. Consider the Arizona roaster as an input data file for this exercise. Using

any combination of the text-processing utilities listed below, write a oneline shell command that performs each of the following tasks

(a) reports the number of players on the roster

(b) displays the roster in order by jersey number

(c) displays the roster in alphabetical order by surname

(d) displays the heaviest five players

(e) displays all players who attended Wisconsin

The Roaster is given below:-

JersyNo|Name,surname |linebackers|Weight | Date | Experience| Country

20 | Anderson, Damien |RB 5'10" | 212 | 07/17/1979 | 3 |Northwestern

30 | Ayanbadejo, Oba |FB 6'02" | 235 | 03/05/1975 | 5 |San Diego

92 | Berry,Bert |DE6'03" | 250| 08/15/1975 | 7 |NotreDame

81 | Boldin,Anquan |WR6'01" |215 | 10/03/1980 |2 | FloridaState

91 | Bryant,Wendell |DT6'04" |303| 09/12/1980 | 3 | Wisconsin

35 | Carter,Dyshod |DB5'10" |197 | 06/18/1978 |2 | Kansas State

52 | Fisher,Levar |OLB6'01" |235 | 07/02/1979 |3| NorthCarolina

11 | Fitzgerald,Larry |WR6'04" |229| 08/31/1983 |10 |Pittsburgh

63 |Garcia,Frank |G6'02" | 302| 01/28/1972|10|Washington

64 |Grace,Steven |C6'03" |295| 02/13/1979 | 3|Arizona

84 |Hamilton,Lawrence |WR6'03" |205 |08/31/1980 |2|StephenF.Austin

* a. [admin@sushil ~]$ awk 'NF' roaster.txt | wc -l

b. [admin@sushil ~]$ sort -k1, 1n roster.txt

c. [admin@sushil ~]$ sort -k2,2 roster.txt

d. [admin@sushil ~]$ sort -k5,5nr roster.txt | head -5

e. [admin@sushil ~]$ grep -i "Wisconsin" roster.txt

5. Create an awk program which will displays the total number of users in the system.

* [admin@sushil ~]$ awk -F: 'END { print "Total number of users: ", NR }' /etc/passwd

Total number of users: 39

6. Create an awk program which counts and at the end displays the following data:

No. of Bash Shell users:

No. of Bourne Shell Users:

* [admin@sushil ~]$ awk -F; '

> /\/bin\/bash$/ { bash\_users++ }

> /\/bin\/sh$/ { sh\_users++ }

> END{print " Number of Bash shell users: ", bash\_users: print "Number of Bourne shell users", sh\_users;}' /etc/passwd

awk: option requires an argument -- F

7. Create an awk program which displays only user name and the corresponding user id as in the following Report Format :

User Name User ID

root 0

daemon 1

---------------------

Total Number of users :

* [admin@sushil ~]$ awk -F: '

> BEGIN { print "User Name User ID" print "----------"}

> { print "%-12s %d\n", $1, $3 }

> END {print "----------------------------------------" print "Total Number of Users: ", NR}'''' /etc/passwd

8. Create an awk program which prints the alternate lines like 2nd , 4th , 6th etc... from the file /etc/group.

* [admin@sushil ~]$ awk 'NR % 2 == 0' /etc/group

bin:x:1:

sys:x:3:

tty:x:5:

lp:x:7:

kmem:x:9:

cdrom:x:11:

man:x:15:

floppy:x:19:

tape:x:33:

ftp:x:50:

audio:x:63:

nobody:x:65534:

utempter:x:35:

kvm:x:36:

systemd-journal:x:190:

dbus:x:81:

avahi:x:70:

ssh\_keys:x:994:

libstoragemgmt:x:993:

tss:x:59:clevis

colord:x:989:

setroubleshoot:x:987:

flatpak:x:985:

brlapi:x:983:

gnome-initial-setup:x:982:

chrony:x:981:

dnsmasq:x:980:

sgx:x:979:

admin:x:1000:

sushil:x:1002:

postdrop:x:90:

9. Create an awk program which will display the file name and the size of the files in the current directory where the file size is more than 100 bytes

* [admin@sushil ~]$ awk 'BEGIN { print "File Name\tSize (bytes)" } { if ($5 > 100) print $9, $5}' $(ls -l)

10. Using awk, print the user id, login shell & home directory of the user root.

* [admin@sushil ~]$ awk -F: '$1 == "root" { print "User ID:", $3, "Login Shell:", $7, "Home Directory:" $6}' /etc/passwd

User ID: 0 Login Shell: /bin/bash Home Directory:/root

11. Using awk print the user id, name & login shell of the system users [ System users are those whose uid is less than 500 ]

* [admin@sushil ~]$ awk -F: '$3 < 1000 { print "User ID:", $3, "Name:", $1, "Login Shell:" $7}' /etc/passwd

User ID: 0 Name: root Login Shell:/bin/bash

User ID: 1 Name: bin Login Shell:/sbin/nologin

User ID: 2 Name: daemon Login Shell:/sbin/nologin

User ID: 3 Name: adm Login Shell:/sbin/nologin

User ID: 4 Name: lp Login Shell:/sbin/nologin

User ID: 5 Name: sync Login Shell:/bin/sync

User ID: 6 Name: shutdown Login Shell:/sbin/shutdown

User ID: 7 Name: halt Login Shell:/sbin/halt

User ID: 8 Name: mail Login Shell:/sbin/nologin

User ID: 11 Name: operator Login Shell:/sbin/nologin

User ID: 12 Name: games Login Shell:/sbin/nologin

User ID: 14 Name: ftp Login Shell:/sbin/nologin

User ID: 999 Name: systemd-coredump Login Shell:/sbin/nologin

User ID: 81 Name: dbus Login Shell:/sbin/nologin

User ID: 998 Name: polkitd Login Shell:/sbin/nologin

User ID: 70 Name: avahi Login Shell:/sbin/nologin

User ID: 172 Name: rtkit Login Shell:/sbin/nologin

User ID: 997 Name: libstoragemgmt Login Shell:/sbin/nologin

User ID: 996 Name: geoclue Login Shell:/sbin/nologin

User ID: 59 Name: tss Login Shell:/sbin/nologin

User ID: 995 Name: cockpit-ws Login Shell:/sbin/nologin

User ID: 993 Name: colord Login Shell:/sbin/nologin

User ID: 992 Name: sssd Login Shell:/sbin/nologin

User ID: 991 Name: setroubleshoot Login Shell:/sbin/nologin

User ID: 990 Name: pipewire Login Shell:/sbin/nologin

User ID: 989 Name: flatpak Login Shell:/sbin/nologin

User ID: 988 Name: clevis Login Shell:/usr/sbin/nologin

User ID: 42 Name: gdm Login Shell:/sbin/nologin

User ID: 987 Name: gnome-initial-setup Login Shell:/sbin/nologin

User ID: 74 Name: sshd Login Shell:/sbin/nologin

User ID: 986 Name: chrony Login Shell:/sbin/nologin

User ID: 985 Name: dnsmasq Login Shell:/sbin/nologin

User ID: 72 Name: tcpdump Login Shell:/sbin/nologin

User ID: 978 Name: systemd-oom Login Shell:/usr/sbin/nologin

User ID: 89 Name: postfix Login Shell:/sbin/nologin

12. Using awk print the file name, owner and size of all the files in the /etc directory

* [admin@sushil ~]$ ls -l /etc | awk '{ print "File Name:", $9, "Owner:" $3, "Size:", $5 " bytes"}'

File Name: Owner: Size: bytes

File Name: accountsservice Owner:root Size: 28 bytes

File Name: adjtime Owner:root Size: 16 bytes

File Name: aliases Owner:root Size: 1529 bytes

File Name: aliases.db Owner:root Size: 12288 bytes

File Name: alsa Owner:root Size: 65 bytes

File Name: alternatives Owner:root Size: 4096 bytes

File Name: anacrontab Owner:root Size: 541 bytes

File Name: appstream.conf Owner:root Size: 833 bytes

File Name: asound.conf Owner:root Size: 55 bytes

File Name: at.deny Owner:root Size: 1 bytes

File Name: audit Owner:root Size: 100 bytes

File Name: authselect Owner:root Size: 4096 bytes

File Name: avahi Owner:root Size: 71 bytes

File Name: bash\_completion.d Owner:root Size: 124 bytes

File Name: bashrc Owner:root Size: 2658 bytes

File Name: bindresvport.blacklist Owner:root Size: 535 bytes

File Name: binfmt.d Owner:root Size: 6 bytes

File Name: bluetooth Owner:root Size: 23 bytes

File Name: brlapi.key Owner:root Size: 33 bytes

File Name: brltty Owner:root Size: 84 bytes

File Name: brltty.conf Owner:root Size: 28974 bytes

File Name: centos-release Owner:root Size: 24 bytes

File Name: chromium Owner:root Size: 36 bytes

File Name: chrony.conf Owner:root Size: 1371 bytes

File Name: chrony.keys Owner:root Size: 540 bytes

File Name: cifs-utils Owner:root Size: 26 bytes

File Name: cni Owner:root Size: 6 bytes

File Name: cockpit Owner:root Size: 42 bytes

File Name: containers Owner:root Size: 154 bytes

File Name: cron.d Owner:root Size: 21 bytes

File Name: cron.daily Owner:root Size: 6 bytes

File Name: cron.deny Owner:root Size: 0 bytes

File Name: cron.hourly Owner:root Size: 22 bytes

File Name: cron.monthly Owner:root Size: 6 bytes

File Name: crontab Owner:root Size: 451 bytes

File Name: cron.weekly Owner:root Size: 6 bytes

File Name: crypto-policies Owner:root Size: 81 bytes

File Name: crypttab Owner:root Size: 0 bytes

File Name: csh.cshrc Owner:root Size: 1401 bytes

File Name: csh.login Owner:root Size: 1112 bytes

File Name: cups Owner:root Size: 4096 bytes

File Name: cupshelpers Owner:root Size: 34 bytes

File Name: dbus-1 Owner:root Size: 78 bytes

File Name: dconf Owner:root Size: 31 bytes

File Name: debuginfod Owner:root Size: 27 bytes

File Name: default Owner:root Size: 33 bytes

File Name: depmod.d Owner:root Size: 40 bytes

File Name: dhcp Owner:root Size: 24 bytes

File Name: DIR\_COLORS Owner:root Size: 4673 bytes

File Name: DIR\_COLORS.lightbgcolor Owner:root Size: 4755 bytes

File Name: dnf Owner:root Size: 128 bytes

File Name: dnsmasq.conf Owner:root Size: 27839 bytes

File Name: dnsmasq.d Owner:root Size: 6 bytes

File Name: dracut.conf Owner:root Size: 117 bytes

File Name: dracut.conf.d Owner:root Size: 6 bytes

File Name: egl Owner:root Size: 37 bytes

File Name: enscript.cfg Owner:root Size: 4760 bytes

File Name: environment Owner:root Size: 0 bytes

File Name: ethertypes Owner:root Size: 1362 bytes

File Name: exports Owner:root Size: 0 bytes

File Name: favicon.png Owner:root Size: 56 bytes

File Name: filesystems Owner:root Size: 66 bytes

File Name: firefox Owner:root Size: 18 bytes

File Name: firewalld Owner:root Size: 149 bytes

File Name: flatpak Owner:root Size: 23 bytes

File Name: fonts Owner:root Size: 38 bytes

File Name: foomatic Owner:root Size: 28 bytes

File Name: fprintd.conf Owner:root Size: 20 bytes

File Name: fstab Owner:root Size: 655 bytes

File Name: fuse.conf Owner:root Size: 38 bytes

File Name: fwupd Owner:root Size: 64 bytes

File Name: gcrypt Owner:root Size: 6 bytes

File Name: gdm Owner:root Size: 107 bytes

File Name: geoclue Owner:root Size: 26 bytes

File Name: glvnd Owner:root Size: 26 bytes

File Name: gnupg Owner:root Size: 6 bytes

File Name: GREP\_COLORS Owner:root Size: 94 bytes

File Name: groff Owner:root Size: 40 bytes

File Name: group Owner:root Size: 871 bytes

File Name: group- Owner:root Size: 864 bytes

File Name: grub2.cfg Owner:root Size: 22 bytes

File Name: grub.d Owner:root Size: 4096 bytes

File Name: gshadow Owner:root Size: 702 bytes

File Name: gshadow- Owner:root Size: 695 bytes

File Name: gss Owner:root Size: 20 bytes

File Name: host.conf Owner:root Size: 9 bytes

File Name: hostname Owner:root Size: 7 bytes

File Name: hosts Owner:root Size: 158 bytes

File Name: hp Owner:root Size: 24 bytes

File Name: inittab Owner:root Size: 490 bytes

File Name: inputrc Owner:root Size: 943 bytes

File Name: iproute2 Owner:root Size: 159 bytes

File Name: iscsi Owner:root Size: 52 bytes

File Name: issue Owner:root Size: 23 bytes

File Name: issue.d Owner:root Size: 27 bytes

File Name: issue.net Owner:root Size: 22 bytes

File Name: kdump Owner:root Size: 33 bytes

File Name: kdump.conf Owner:root Size: 8979 bytes

File Name: kernel Owner:root Size: 23 bytes

File Name: keys Owner:root Size: 17 bytes

File Name: keyutils Owner:root Size: 6 bytes

File Name: krb5.conf Owner:root Size: 880 bytes

File Name: krb5.conf.d Owner:root Size: 83 bytes

File Name: ld.so.cache Owner:root Size: 40251 bytes

File Name: ld.so.conf Owner:root Size: 28 bytes

File Name: ld.so.conf.d Owner:root Size: 39 bytes

File Name: libaudit.conf Owner:root Size: 191 bytes

File Name: libblockdev Owner:root Size: 20 bytes

File Name: libibverbs.d Owner:root Size: 4096 bytes

File Name: libnl Owner:root Size: 35 bytes

File Name: libpaper.d Owner:root Size: 6 bytes

File Name: libreport Owner:root Size: 70 bytes

File Name: libssh Owner:root Size: 62 bytes

File Name: libuser.conf Owner:root Size: 2391 bytes

File Name: locale.conf Owner:root Size: 19 bytes

File Name: localtime Owner:root Size: 34 bytes

File Name: login.defs Owner:root Size: 7779 bytes

File Name: logrotate.conf Owner:root Size: 496 bytes

File Name: logrotate.d Owner:root Size: 4096 bytes

File Name: lsm Owner:root Size: 43 bytes

File Name: lvm Owner:root Size: 115 bytes

File Name: machine-id Owner:root Size: 33 bytes

File Name: machine-info Owner:root Size: 59 bytes

File Name: magic Owner:root Size: 111 bytes

File Name: mailcap Owner:root Size: 272 bytes

File Name: makedumpfile.conf.sample Owner:root Size: 5122 bytes

File Name: man\_db.conf Owner:root Size: 5235 bytes

File Name: mcelog Owner:root Size: 41 bytes

File Name: microcode\_ctl Owner:root Size: 32 bytes

File Name: mime.types Owner:root Size: 67454 bytes

File Name: mke2fs.conf Owner:root Size: 1208 bytes

File Name: modprobe.d Owner:root Size: 54 bytes

File Name: modules-load.d Owner:root Size: 6 bytes

File Name: motd Owner:root Size: 0 bytes

File Name: motd.d Owner:root Size: 21 bytes

File Name: mtab Owner:root Size: 19 bytes

File Name: multipath Owner:root Size: 6 bytes

File Name: nanorc Owner:root Size: 10373 bytes

File Name: netconfig Owner:root Size: 767 bytes

File Name: NetworkManager Owner:root Size: 134 bytes

File Name: networks Owner:root Size: 58 bytes

File Name: nftables Owner:root Size: 66 bytes

File Name: nsswitch.conf Owner:root Size: 29 bytes

File Name: nsswitch.conf.bak Owner:root Size: 2108 bytes

File Name: nvme Owner:root Size: 57 bytes

File Name: openldap Owner:root Size: 36 bytes

File Name: opt Owner:root Size: 20 bytes

File Name: os-release Owner:root Size: 21 bytes

File Name: ostree Owner:root Size: 23 bytes

File Name: PackageKit Owner:root Size: 76 bytes

File Name: pam.d Owner:root Size: 4096 bytes

File Name: papersize Owner:root Size: 68 bytes

File Name: passwd Owner:root Size: 2148 bytes

File Name: passwd- Owner:root Size: 2098 bytes

File Name: pbm2ppa.conf Owner:root Size: 1362 bytes

File Name: pinforc Owner:root Size: 2872 bytes

File Name: pkcs11 Owner:root Size: 21 bytes

File Name: pkgconfig Owner:root Size: 27 bytes

File Name: pki Owner:root Size: 123 bytes

File Name: plymouth Owner:root Size: 28 bytes

File Name: pm Owner:root Size: 52 bytes

File Name: pnm2ppa.conf Owner:root Size: 6300 bytes

File Name: polkit-1 Owner:root Size: 72 bytes

File Name: popt.d Owner:root Size: 6 bytes

File Name: postfix Owner:root Size: 4096 bytes

File Name: printcap Owner:root Size: 233 bytes

File Name: profile Owner:root Size: 1899 bytes

File Name: profile.d Owner:root Size: 4096 bytes

File Name: protocols Owner:root Size: 6568 bytes

File Name: pulse Owner:root Size: 25 bytes

File Name: qemu-ga Owner:root Size: 50 bytes

File Name: ras Owner:root Size: 27 bytes

File Name: rc.d Owner:root Size: 36 bytes

File Name: rc.local Owner:root Size: 13 bytes

File Name: redhat-release Owner:root Size: 14 bytes

File Name: request-key.conf Owner:root Size: 1787 bytes

File Name: request-key.d Owner:root Size: 6 bytes

File Name: resolv.conf Owner:root Size: 73 bytes

File Name: rpc Owner:root Size: 1634 bytes

File Name: rpm Owner:root Size: 6 bytes

File Name: rsyncd.conf Owner:root Size: 458 bytes

File Name: rsyslog.conf Owner:root Size: 3380 bytes

File Name: rsyslog.d Owner:root Size: 6 bytes

File Name: rwtab.d Owner:root Size: 35 bytes

File Name: samba Owner:root Size: 61 bytes

File Name: sane.d Owner:root Size: 4096 bytes

File Name: sasl2 Owner:root Size: 24 bytes

File Name: security Owner:root Size: 4096 bytes

File Name: selinux Owner:root Size: 79 bytes

File Name: services Owner:root Size: 692252 bytes

File Name: sestatus.conf Owner:root Size: 216 bytes

File Name: setroubleshoot Owner:root Size: 33 bytes

File Name: sgml Owner:root Size: 21 bytes

File Name: shadow Owner:root Size: 1406 bytes

File Name: shadow- Owner:root Size: 1383 bytes

File Name: shells Owner:root Size: 44 bytes

File Name: skel Owner:root Size: 78 bytes

File Name: smartmontools Owner:root Size: 74 bytes

File Name: sos Owner:root Size: 86 bytes

File Name: speech-dispatcher Owner:root Size: 56 bytes

File Name: ssh Owner:root Size: 4096 bytes

File Name: ssl Owner:root Size: 77 bytes

File Name: sssd Owner:sssd Size: 31 bytes

File Name: statetab.d Owner:root Size: 6 bytes

File Name: subgid Owner:root Size: 59 bytes

File Name: subgid- Owner:root Size: 39 bytes

File Name: subuid Owner:root Size: 59 bytes

File Name: subuid- Owner:root Size: 39 bytes

File Name: sudo.conf Owner:root Size: 3983 bytes

File Name: sudoers Owner:root Size: 4328 bytes

File Name: sudoers.d Owner:root Size: 6 bytes

File Name: sudo-ldap.conf Owner:root Size: 3181 bytes

File Name: sysconfig Owner:root Size: 4096 bytes

File Name: sysctl.conf Owner:root Size: 449 bytes

File Name: sysctl.d Owner:root Size: 28 bytes

File Name: systemd Owner:root Size: 166 bytes

File Name: system-release Owner:root Size: 14 bytes

File Name: system-release-cpe Owner:root Size: 23 bytes

File Name: terminfo Owner:root Size: 6 bytes

File Name: tmpfiles.d Owner:root Size: 22 bytes

File Name: tpm2-tss Owner:root Size: 51 bytes

File Name: trusted-key.key Owner:root Size: 375 bytes

File Name: tuned Owner:root Size: 136 bytes

File Name: udev Owner:root Size: 68 bytes

File Name: udisks2 Owner:root Size: 60 bytes

File Name: updatedb.conf Owner:root Size: 624 bytes

File Name: UPower Owner:root Size: 25 bytes

File Name: usb\_modeswitch.conf Owner:root Size: 1523 bytes

File Name: vconsole.conf Owner:root Size: 28 bytes

File Name: vimrc Owner:root Size: 4017 bytes

File Name: virc Owner:root Size: 1184 bytes

File Name: vmware-tools Owner:root Size: 4096 bytes

File Name: vulkan Owner:root Size: 67 bytes

File Name: wgetrc Owner:root Size: 4925 bytes

File Name: wireplumber Owner:root Size: 81 bytes

File Name: wpa\_supplicant Owner:root Size: 33 bytes

File Name: X11 Owner:root Size: 121 bytes

File Name: xattr.conf Owner:root Size: 817 bytes

File Name: xdg Owner:root Size: 125 bytes

File Name: xml Owner:root Size: 36 bytes

File Name: yum Owner:root Size: 57 bytes

File Name: yum.conf Owner:root Size: 12 bytes

File Name: yum.repos.d Owner:root Size: 51 bytes