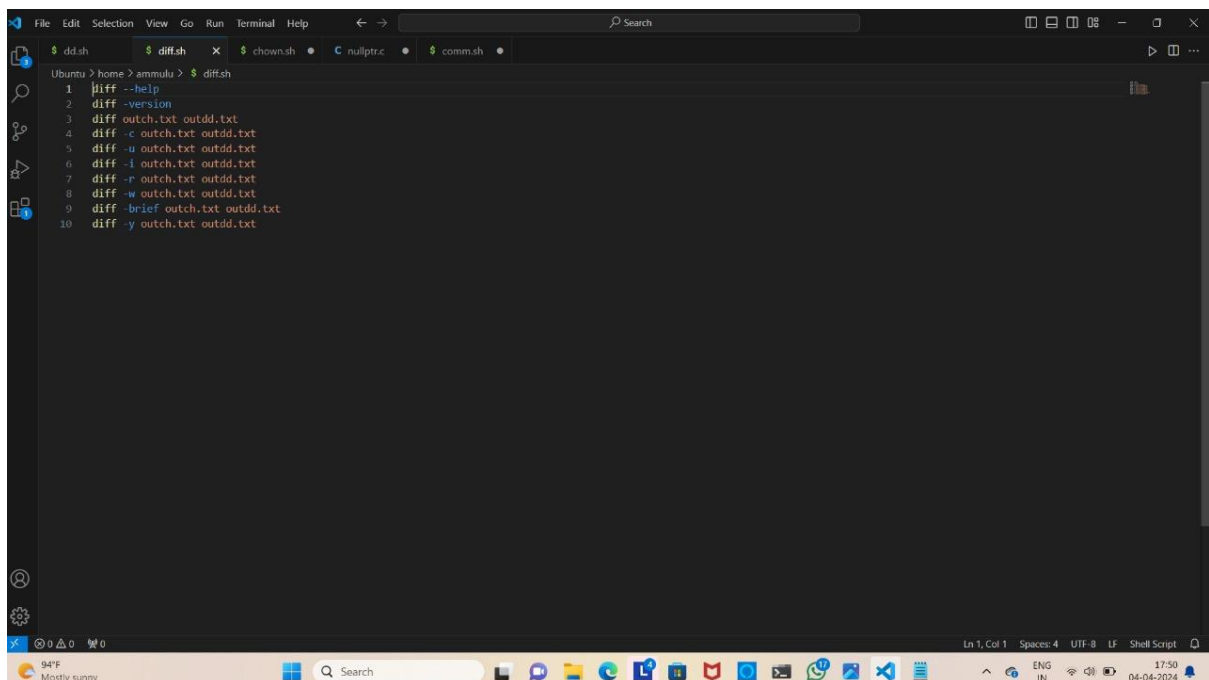


Name:K.Soujanya

Roll No:422163

Section:CSE-A

Write shell scripts for commands diff,finger
diff command

A screenshot of a terminal window with a dark background. The window title bar shows 'diff.sh' and other tabs. The terminal content displays the help text for the 'diff' command, numbered 1 through 10. The text is as follows:

```
1 diff --help
2 diff --version
3 diff outch.txt outdd.txt
4 diff -c outch.txt outdd.txt
5 diff -u outch.txt outdd.txt
6 diff -i outch.txt outdd.txt
7 diff -r outch.txt outdd.txt
8 diff -w outch.txt outdd.txt
9 diff -brief outch.txt outdd.txt
10 diff -y outch.txt outdd.txt
```

Output:

Usage: diff [OPTION]... FILES

Compare FILES line by line.

Mandatory arguments to long options are mandatory for short options too.

--normal (the default)	output a normal diff
-q, --brief	report only when files differ
-s, --report-identical-files	report when two files are the same
-c, -C NUM, --context[=NUM]	output NUM (default 3) lines of copied context
-u, -U NUM, --unified[=NUM]	output NUM (default 3) lines of unified context
-e, --ed	output an ed script
-n, --rcs	output an RCS format diff
-y, --side-by-side	output in two columns
-W, --width=NUM	output at most NUM (default 130) print columns
--left-column	output only the left column of common lines

`--suppress-common-lines` do not output common lines

`-p, --show-c-function` show which C function each change is in

`-F, --show-function-line=RE` show the most recent line matching RE

`--label LABEL` use LABEL instead of file name and timestamp

(can be repeated)

`-t, --expand-tabs` expand tabs to spaces in output

`-T, --initial-tab` make tabs line up by prepending a tab

`--tabsize=NUM` tab stops every NUM (default 8) print columns

`--suppress-blank-empty` suppress space or tab before empty output lines

-l, --paginate pass output through
'pr' to paginate it

-r, --recursive recursively compare
any subdirectories found

 --no-dereference don't follow
symbolic links

-N, --new-file treat absent files as
empty

 --unidirectional-new-file treat absent first
files as empty

 --ignore-file-name-case ignore case
when comparing file names

 --no-ignore-file-name-case consider case
when comparing file names

-x, --exclude=PAT exclude files that
match PAT

-X, --exclude-from=FILE exclude files that
match any pattern in FILE

-S, --starting-file=FILE start with FILE
when comparing directories

--from-file=FILE1 compare FILE1 to all
operands;

FILE1 can be a directory

--to-file=FILE2 compare all operands
to FILE2;

FILE2 can be a directory

-i, --ignore-case ignore case
differences in file contents

-E, --ignore-tab-expansion ignore changes
due to tab expansion

-Z, --ignore-trailing-space ignore white
space at line end

-b, --ignore-space-change ignore changes
in the amount of white space

-w, --ignore-all-space ignore all white
space

-B, --ignore-blank-lines ignore changes
where lines are all blank

-I, --ignore-matching-lines=RE ignore
changes where all lines match RE

-a, --text treat all files as text

 --strip-trailing-cr strip trailing carriage
return on input

-D, --ifdef=NAME output merged file
with '#ifdef NAME' diffs

 --GTYPE-group-format=GFMT format
GTYPE input groups with GFMT

 --line-format=LFMT format all input
lines with LFMT

 --LTYPE-line-format=LFMT format LTYPE
input lines with LFMT

 These format options provide fine-grained
control over the output

of diff, generalizing -D/--ifdef.

LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'.

GFMT (only) may contain:

%< lines from FILE1

%> lines from FILE2

%= lines common to FILE1 and FILE2

%[-][WIDTH][.[PREC]]{doxX}LETTER printf-style spec for LETTER

LETTERs are as follows for new group, lower case for old group:

F first line number

L last line number

N number of lines = L-F+1

E F-1

M L+1

%(A=B?T:E) if A equals B then T else E

LFMT (only) may contain:

%L contents of line

%l contents of line, excluding any trailing
newline

%[-][WIDTH][.[PREC]]{doxX}n printf-style
spec for input line number

Both GFMT and LFMT may contain:

%% %

%c'C' the single character C

%c'\OOO' the character with octal code
OOO

C the character C (other characters
represent themselves)

-d, --minimal try hard to find a smaller
set of changes

--horizon-lines=NUM keep NUM lines of
the common prefix and suffix

--speed-large-files assume large files and
many scattered small changes

`--color[=WHEN]` color output; WHEN is 'never', 'always', or 'auto';

plain `--color` means `--color='auto'`

`--palette=PALETTE` the colors to use when `--color` is active; PALETTE is

a colon-separated list of terminfo capabilities

`--help` display this help and exit

`-v, --version` output version information and exit

FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE' or 'FILE DIR'.

If `--from-file` or `--to-file` is given, there are no restrictions on FILE(s).

If a FILE is '-', read standard input.

Exit status is 0 if inputs are the same, 1 if different, 2 if trouble.

Report bugs to: bug-diffutils@gnu.org

GNU diffutils home page:

[<https://www.gnu.org/software/diffutils/>](https://www.gnu.org/software/diffutils/)

General help using GNU software:

[<https://www.gnu.org/gethelp/>](https://www.gnu.org/gethelp/)

diff (GNU diffutils) 3.8

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Written by Paul Eggert, Mike Haertel, David Hayes,

Richard Stallman, and Len Tower.

1,18c1,166

```
< chgrp --help
```

```
< chgrp --version
```

```
< ls -l
```

```
< sudo chgrp geeksforgeeks a.txt
```

```
< ls -l
```

```
< sudo chgrp geeksforgeeks al.txt awk.sh  
chown.sh
```

```
< ls -l
```

```
< sudo chgrp -R --reference=a.txt  
outchown.txt
```

```
< ls -l
```

```
< sudo chgrp -c ammulu a.txt
```

```
< sudo chgrp -f ammulu al.txt
```

```
< sudo chgrp -v ammulu a.txt
```

```
< ln -s a.txt symbolic_link
```

```
< ls -l
```

```
< sudo chgrp --dereference geeksforgeeks  
symbolic_link
```

```
< ls -l
```

```
< sudo chgrp --no-dereference geeksforgeeks  
symbolic_link
```

```
< ls -l
```

```
\ No newline at end of file
```

```
---
```

```
> Usage: dd [OPERAND]...
```

```
> or: dd OPTION
```

```
> Copy a file, converting and formatting  
according to the operands.
```

```
>
```

```
> bs=BYTES      read and write up to BYTES  
bytes at a time (default: 512);
```

```
>              overrides ibs and obs
```

- > cbs=BYTES convert BYTES bytes at a time
- > conv=CONVS convert the file as per the comma separated symbol list
- > count=N copy only N input blocks
- > ibs=BYTES read up to BYTES bytes at a time (default: 512)
- > if=FILE read from FILE instead of stdin
- > iflag=FLAGS read as per the comma separated symbol list
- > obs=BYTES write BYTES bytes at a time (default: 512)
- > of=FILE write to FILE instead of stdout
- > oflag=FLAGS write as per the comma separated symbol list
- > seek=N skip N obs-sized blocks at start of output
- > skip=N skip N ibs-sized blocks at start of input

> status=LEVEL The LEVEL of information to print to stderr;

> 'none' suppresses everything but error messages,

> 'noxfer' suppresses the final transfer statistics,

> 'progress' shows periodic transfer statistics

>

> N and BYTES may be followed by the following multiplicative suffixes:

> c=1, w=2, b=512, kB=1000, K=1024, MB=1000*1000, M=1024*1024, xM=M,

> GB=1000*1000*1000, G=1024*1024*1024, and so on for T, P, E, Z, Y.

> Binary prefixes can be used, too: KiB=K, MiB=M, and so on.

>

> Each CONV symbol may be:

- >
- > ascii from EBCDIC to ASCII
- > ebcdic from ASCII to EBCDIC
- > ibm from ASCII to alternate EBCDIC
- > block pad newline-terminated records
with spaces to cbs-size
- > unblock replace trailing spaces in cbs-size
records with newline
- > lcase change upper case to lower case
- > ucase change lower case to upper case
- > sparse try to seek rather than write all-
NUL output blocks
- > swab swap every pair of input bytes
- > sync pad every input block with NULs to
ibs-size; when used
- > with block or unblock, pad with
spaces rather than NULs
- > excl fail if the output file already exists

- > `nocreat` do not create the output file
- > `notrunc` do not truncate the output file
- > `noerror` continue after read errors
- > `fdatasync` physically write output file data before finishing
- > `fsync` likewise, but also write metadata
- >
- > Each FLAG symbol may be:
- >
- > `append` append mode (makes sense only for output; `conv=notrunc` suggested)
- > `direct` use direct I/O for data
- > `directory` fail unless a directory
- > `dsync` use synchronized I/O for data
- > `sync` likewise, but also for metadata
- > `fullblock` accumulate full blocks of input (iflag only)
- > `nonblock` use non-blocking I/O

- > noatime do not update access time
- > nocache Request to drop cache. See also oflag=sync
- > noctty do not assign controlling terminal from file
- > nofollow do not follow symlinks
- > count_bytes treat 'count=N' as a byte count (iflag only)
- > skip_bytes treat 'skip=N' as a byte count (iflag only)
- > seek_bytes treat 'seek=N' as a byte count (oflag only)
- >
- > Sending a USR1 signal to a running 'dd' process makes it
- > print I/O statistics to standard error and then resume copying.
- >
- > Options are:

>

> --help display this help and exit

> --version output version information and exit

>

> GNU coreutils online help:

<<https://www.gnu.org/software/coreutils/>>

> Report any translation bugs to

<<https://translationproject.org/team/>>

> Full documentation

<<https://www.gnu.org/software/coreutils/dd>>

> or available locally via: info '(coreutils) dd invocation'

> dd (coreutils) 8.32

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>

> Written by Paul Rubin, David MacKenzie, and Stuart Kemp.

> Usage: dd [OPERAND]...

> or: dd OPTION

> Copy a file, converting and formatting according to the operands.

>

> bs=BYTES read and write up to BYTES bytes at a time (default: 512);

> overrides ibs and obs

> cbs=BYTES convert BYTES bytes at a time

> conv=CONVS convert the file as per the comma separated symbol list

- > count=N copy only N input blocks
- > ibs=BYTES read up to BYTES bytes at a time (default: 512)
- > if=FILE read from FILE instead of stdin
- > iflag=FLAGS read as per the comma separated symbol list
- > obs=BYTES write BYTES bytes at a time (default: 512)
- > of=FILE write to FILE instead of stdout
- > oflag=FLAGS write as per the comma separated symbol list
- > seek=N skip N obs-sized blocks at start of output
- > skip=N skip N ibs-sized blocks at start of input
- > status=LEVEL The LEVEL of information to print to stderr;
- > 'none' suppresses everything but error messages,

- > 'noxfer' suppresses the final transfer statistics,
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- >
- > N and BYTES may be followed by the following multiplicative suffixes:
 - > c=1, w=2, b=512, kB=1000, K=1024, MB=1000*1000, M=1024*1024, xM=M,
 - > GB=1000*1000*1000, G=1024*1024*1024, and so on for T, P, E, Z, Y.
 - > Binary prefixes can be used, too: KiB=K, MiB=M, and so on.
- >
- > Each CONV symbol may be:
 - >
 - > ascii from EBCDIC to ASCII
 - > ebcdic from ASCII to EBCDIC
 - > ibm from ASCII to alternate EBCDIC

- > block pad newline-terminated records with spaces to cbs-size
- > unblock replace trailing spaces in cbs-size records with newline
- > lcase change upper case to lower case
- > ucase change lower case to upper case
- > sparse try to seek rather than write all-NUL output blocks
- > swab swap every pair of input bytes
- > sync pad every input block with NULs to ibs-size; when used
 - > with block or unblock, pad with spaces rather than NULs
- > excl fail if the output file already exists
- > nocreat do not create the output file
- > notrunc do not truncate the output file
- > noerror continue after read errors
- > fdatsync physically write output file data before finishing

- > fsync likewise, but also write metadata
- >
- > Each FLAG symbol may be:
- >
- > append append mode (makes sense only for output; conv=notrunc suggested)
- > direct use direct I/O for data
- > directory fail unless a directory
- > dsync use synchronized I/O for data
- > sync likewise, but also for metadata
- > fullblock accumulate full blocks of input (iflag only)
- > nonblock use non-blocking I/O
- > noatime do not update access time
- > nocache Request to drop cache. See also oflag=sync
- > noctty do not assign controlling terminal from file

- > nofollow do not follow symlinks
- > count_bytes treat 'count=N' as a byte count (iflag only)
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- > seek_bytes treat 'seek=N' as a byte count (oflag only)
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- > Sending a USR1 signal to a running 'dd' process makes it
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- >

> Written by Paul Rubin, David MacKenzie,
and Stuart Kemp.

*** outch.txt 2024-03-30
23:07:48.140905025 +0530

--- outdd.txt 2024-03-30
23:06:35.130923311 +0530

*** 1,18 ****

! chgrp --help

! chgrp --version

! ls -l

! sudo chgrp geeksforgeeks a.txt

! ls -l

! sudo chgrp geeksforgeeks al.txt awk.sh
chown.sh

! ls -l

! sudo chgrp -R --reference=a.txt outchown.txt

! ls -l

! sudo chgrp -c ammulu a.txt

! sudo chgrp -f ammulu al.txt

! sudo chgrp -v ammulu a.txt

! ln -s a.txt symbolic_link

! ls -l

! sudo chgrp --dereference geeksforgeeks
symbolic_link

! ls -l

! sudo chgrp --no-dereference geeksforgeeks
symbolic_link

! ls -l

\ No newline at end of file

--- 1,166 ----

! Usage: dd [OPERAND]...

! or: dd OPTION

! Copy a file, converting and formatting
according to the operands.

!

! bs=BYTES read and write up to BYTES bytes at a time (default: 512);

! overrides ibs and obs

! cbs=BYTES convert BYTES bytes at a time

! conv=CONVS convert the file as per the comma separated symbol list

! count=N copy only N input blocks

! ibs=BYTES read up to BYTES bytes at a time (default: 512)

! if=FILE read from FILE instead of stdin

! iflag=FLAGS read as per the comma separated symbol list

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! of=FILE write to FILE instead of stdout

! oflag=FLAGS write as per the comma separated symbol list

! seek=N skip N obs-sized blocks at start
of output

! skip=N skip N ibs-sized blocks at start
of input

! status=LEVEL The LEVEL of information to
print to stderr;

! 'none' suppresses everything but
error messages,

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transfer statistics,

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statistics

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! N and BYTES may be followed by the
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! c=1, w=2, b=512, kB=1000, K=1024,
MB=1000*1000, M=1024*1024, xM=M,

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and so on for T, P, E, Z, Y.

! Binary prefixes can be used, too: KiB=K,
MiB=M, and so on.

!

! Each CONV symbol may be:

!

! `ascii` from EBCDIC to ASCII

! `ebcdic` from ASCII to EBCDIC

! `ibm` from ASCII to alternate EBCDIC

! `block` pad newline-terminated records
with spaces to cbs-size

! `unblock` replace trailing spaces in cbs-size
records with newline

! `lcase` change upper case to lower case

! `ucase` change lower case to upper case

! `sparse` try to seek rather than write all-
NUL output blocks

! `swab` swap every pair of input bytes

! sync pad every input block with NULs to
ibs-size; when used

! with block or unblock, pad with
spaces rather than NULs

! excl fail if the output file already exists

! nocreat do not create the output file

! notrunc do not truncate the output file

! noerror continue after read errors

! fdatsync physically write output file data
before finishing

! fsync likewise, but also write metadata

!

! Each FLAG symbol may be:

!

! append append mode (makes sense only
for output; conv=notrunc suggested)

! direct use direct I/O for data

! directory fail unless a directory

- ! `dsync` use synchronized I/O for data
- ! `sync` likewise, but also for metadata
- ! `fullblock` accumulate full blocks of input (iflag only)
- ! `nonblock` use non-blocking I/O
- ! `noatime` do not update access time
- ! `nocache` Request to drop cache. See also `oflag=sync`
- ! `noctty` do not assign controlling terminal from file
- ! `nofollow` do not follow symlinks
- ! `count_bytes` treat 'count=N' as a byte count (iflag only)
- ! `skip_bytes` treat 'skip=N' as a byte count (iflag only)
- ! `seek_bytes` treat 'seek=N' as a byte count (oflag only)
- !

! Sending a USR1 signal to a running 'dd'
process makes it

! print I/O statistics to standard error and then
resume copying.

!

! Options are:

!

! --help display this help and exit

! --version output version information and
exit

!

! GNU coreutils online help:

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! count=N copy only N input blocks

! ibs=BYTES read up to BYTES bytes at a time (default: 512)

! if=FILE read from FILE instead of stdin

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NUL output blocks

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- ! with block or unblock, pad with spaces rather than NULs
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- ! directory fail unless a directory
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! fullblock accumulate full blocks of input
(iflag only)

! nonblock use non-blocking I/O

! noatime do not update access time

! nocache Request to drop cache. See also
oflag=sync

! noctty do not assign controlling terminal
from file

! nofollow do not follow symlinks

! count_bytes treat 'count=N' as a byte
count (iflag only)

! skip_bytes treat 'skip=N' as a byte count
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! Sending a USR1 signal to a running 'dd'
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--- outch.txt 2024-03-30
23:07:48.140905025 +0530

+++ outdd.txt 2024-03-30
23:06:35.130923311 +0530

@@ -1,18 +1,166 @@

-chgrp --help

-chgrp --version

-ls -l

-sudo chgrp geeksforgeeks a.txt

-ls -l

-sudo chgrp geeksforgeeks al.txt awk.sh
chown.sh

-ls -l

-sudo chgrp -R --reference=a.txt outchown.txt

-ls -l

-sudo chgrp -c ammulu a.txt

-sudo chgrp -f ammulu al.txt

-sudo chgrp -v ammulu a.txt

-ln -s a.txt symbolic_link

-ls -l

-sudo chgrp --dereference geeksforgeeks
symbolic_link

-ls -l

-sudo chgrp --no-dereference geeksforgeeks
symbolic_link

-ls -l

\ No newline at end of file

+Usage: dd [OPERAND]...

+ or: dd OPTION

+Copy a file, converting and formatting according to the operands.

+

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+ cbs=BYTES convert BYTES bytes at a time

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+ iflag=FLAGS read as per the comma separated symbol list

- + obs=BYTES write BYTES bytes at a time
(default: 512)
- + of=FILE write to FILE instead of stdout
- + oflag=FLAGS write as per the comma
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- + seek=N skip N obs-sized blocks at start
of output
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- + status=LEVEL The LEVEL of information to
print to stderr;
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error messages,
- + 'noxfer' suppresses the final
transfer statistics,
- + 'progress' shows periodic transfer
statistics
- +

+N and BYTES may be followed by the following multiplicative suffixes:

+c=1, w=2, b=512, kB=1000, K=1024, MB=1000*1000, M=1024*1024, xM=M,

+GB=1000*1000*1000, G=1024*1024*1024, and so on for T, P, E, Z, Y.

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+

+Each CONV symbol may be:

+

+ ascii from EBCDIC to ASCII

+ ebcdic from ASCII to EBCDIC

+ ibm from ASCII to alternate EBCDIC

+ block pad newline-terminated records with spaces to cbs-size

+ unblock replace trailing spaces in cbs-size records with newline

+ lcase change upper case to lower case

- + `ucase` change lower case to upper case
- + `sparse` try to seek rather than write all-NUL output blocks
- + `swab` swap every pair of input bytes
- + `sync` pad every input block with NULs to `ibs-size`; when used
- + with `block` or `unblock`, pad with spaces rather than NULs
- + `excl` fail if the output file already exists
- + `nocreat` do not create the output file
- + `notrunc` do not truncate the output file
- + `noerror` continue after read errors
- + `fdatsync` physically write output file data before finishing
- + `fsync` likewise, but also write metadata
- +
- + Each FLAG symbol may be:
- +

- + append append mode (makes sense only for output; conv=notrunc suggested)
- + direct use direct I/O for data
- + directory fail unless a directory
- + dsync use synchronized I/O for data
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- + fullblock accumulate full blocks of input (iflag only)
- + nonblock use non-blocking I/O
- + noatime do not update access time
- + nocache Request to drop cache. See also oflag=sync
- + noctty do not assign controlling terminal from file
- + nofollow do not follow symlinks
- + count_bytes treat 'count=N' as a byte count (iflag only)
- + skip_bytes treat 'skip=N' as a byte count (iflag only)

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- +Sending a USR1 signal to a running 'dd' process makes it

- +print I/O statistics to standard error and then resume copying.

- +

- +Options are:

- +

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+dd (coreutils) 8.32

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+ or: dd OPTION

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1,18c1,166

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chgrp --help |

Usage: dd [OPERAND]...

chgrp --version |

or: dd OPTION

ls -l | Copy a file,
converting and formatting according to the
opera

sudo chgrp geeksforgeeks a.txt

|

ls -l | bs=BYTES

read and write up to BYTES bytes at a time

sudo chgrp geeksforgeeks al.txt awk.sh

chown.sh | overrides ibs

and obs

ls -l | cbs=BYTES

convert BYTES bytes at a time

sudo chgrp -R --reference=a.txt outchown.txt

| conv=CONVS convert the
file as per the comma separated

ls -l | count=N

copy only N input blocks

sudo chgrp -c ammulu a.txt |

ibs=BYTES read up to BYTES bytes at a
time (default:

sudo chgrp -f ammulu al.txt |

if=FILE read from FILE instead of
stdin

`sudo chgrp -v ammulu a.txt` |
iflag=FLAGS read as per the comma
separated symbol list

`ln -s a.txt symbolic_link` |
obs=BYTES write BYTES bytes at a time
(default: 512)

`ls -l` | of=FILE
write to FILE instead of stdout

`sudo chgrp --dereference geeksforgeeks
symbolic_link` | oflag=FLAGS write
as per the comma separated symbol list

`ls -l` | seek=N
skip N obs-sized blocks at start of output

`sudo chgrp --no-dereference geeksforgeeks
symbolic_link` | skip=N skip N obs-
sized blocks at start of input

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>

> N and BYTES

may be followed by the following
multiplicative s

> c=1, w=2,

b=512, kB=1000, K=1024, MB=1000*1000,
M=1024*1024,

>

GB=1000*1000*1000,
G=1024*1024*1024, and so on for T, P, E, Z

> Binary

prefixes can be used, too: KiB=K, MiB=M, and
so on.

>

symbol may be:

- > Each CONV

- >
- > ascii from

EBCDIC to ASCII

- > ebcdic

from ASCII to EBCDIC

- > ibm

from ASCII to alternate EBCDIC

- > block pad

newline-terminated records with spaces to
cbs

- > unblock

replace trailing spaces in cbs-size records with

- > lcase

change upper case to lower case

- > ucase

change lower case to upper case

> sparse try
to seek rather than write all-NUL output bloc

> swab
swap every pair of input bytes

> sync pad
every input block with NULs to ibs-size; when

> with
block or unblock, pad with spaces rather tha

> excl fail
if the output file already exists

> nocreat do
not create the output file

> notrunc
do not truncate the output file

> noerror
continue after read errors

> fdatasync
physically write output file data before finishi

> fsync

likewise, but also write metadata

>

> Each FLAG

symbol may be:

>

> append

append mode (makes sense only for output;
conv=no

> direct use

direct I/O for data

> directory

fail unless a directory

> dsync use

synchronized I/O for data

> sync

likewise, but also for metadata

> fullblock

accumulate full blocks of input (iflag only)

> nonblock

use non-blocking I/O

> noatime

do not update access time

> nocache

Request to drop cache. See also oflag=sync

> noctty do

not assign controlling terminal from file

> nofollow

do not follow symlinks

>

count_bytes treat 'count=N' as a byte count
(iflag only)

> skip_bytes

treat 'skip=N' as a byte count (iflag only)

> seek_bytes

treat 'seek=N' as a byte count (oflag only)

>

> Sending a
USR1 signal to a running 'dd' process makes it

> print I/O
statistics to standard error and then resume
copyin

>

> Options are:

>

> --help

display this help and exit

> --version

output version information and exit

>

> GNU

coreutils online help:

<<https://www.gnu.org/software/core>

> Report any

translation bugs to

<<https://translationproject.or>

> Full

documentation

<<https://www.gnu.org/software/coreutils/dd>

> or available

locally via: info '(coreutils) dd invocation'

> dd

(coreutils) 8.32

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software: you are free to change and
redistribut

> There is NO

WARRANTY, to the extent permitted by law.

>

> Written by
Paul Rubin, David MacKenzie, and Stuart
Kemp.

> Usage: dd
[OPERAND]...

> or: dd
OPTION

> Copy a file,
converting and formatting according to the
opera

>
> bs=BYTES
read and write up to BYTES bytes at a time

>
overrides ibs and obs

> cbs=BYTES
convert BYTES bytes at a time

>
conv=CONVS convert the file as per the
comma separated

> count=N

copy only N input blocks

> ibs=BYTES

read up to BYTES bytes at a time (default:

> if=FILE

read from FILE instead of stdin

> iflag=FLAGS

read as per the comma separated symbol list

> obs=BYTES

write BYTES bytes at a time (default: 512)

> of=FILE

write to FILE instead of stdout

>

oflag=FLAGS write as per the comma
separated symbol list

> seek=N

skip N obs-sized blocks at start of output

> skip=N

skip N ibs-sized blocks at start of input

>

status=LEVEL The LEVEL of information to
print to stderr

>

'none' suppresses everything but error mess

>

'noxfer' suppresses the final transfer stat

>

'progress' shows periodic transfer statisti

>

> N and BYTES

may be followed by the following
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> Sending a
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> Written by

Paul Rubin, David MacKenzie, and Stuart
Kemp.

Usage: diff [OPTION]... FILES

Compare FILES line by line.

Mandatory arguments to long options are
mandatory for short options too.

--normal output a normal diff
(the default)

-q, --brief report only when files
differ

-s, --report-identical-files report when two
files are the same

-c, -C NUM, --context[=NUM] output NUM
(default 3) lines of copied context

-u, -U NUM, --unified[=NUM] output NUM
(default 3) lines of unified context

-e, --ed	output an ed script
-n, --rcs	output an RCS format diff
-y, --side-by-side	output in two columns
-W, --width=NUM	output at most NUM (default 130) print columns
--left-column	output only the left column of common lines
--suppress-common-lines	do not output common lines
-p, --show-c-function	show which C function each change is in
-F, --show-function-line=RE	show the most recent line matching RE
--label LABEL	use LABEL instead of file name and timestamp

(can be repeated)

-t, --expand-tabs expand tabs to spaces in output

-T, --initial-tab make tabs line up by prepending a tab

 --tabsize=NUM tab stops every NUM (default 8) print columns

 --suppress-blank-empty suppress space or tab before empty output lines

-l, --paginate pass output through 'pr' to paginate it

-r, --recursive recursively compare any subdirectories found

 --no-dereference don't follow symbolic links

-N, --new-file treat absent files as empty

 --unidirectional-new-file treat absent first files as empty

`--ignore-file-name-case` ignore case
when comparing file names

`--no-ignore-file-name-case` consider case
when comparing file names

`-x, --exclude=PAT` exclude files that
match PAT

`-X, --exclude-from=FILE` exclude files that
match any pattern in FILE

`-S, --starting-file=FILE` start with FILE
when comparing directories

`--from-file=FILE1` compare FILE1 to all
operands;

FILE1 can be a directory

`--to-file=FILE2` compare all operands
to FILE2;

FILE2 can be a directory

`-i, --ignore-case` ignore case
differences in file contents

-E, --ignore-tab-expansion ignore changes
due to tab expansion

-Z, --ignore-trailing-space ignore white
space at line end

-b, --ignore-space-change ignore changes
in the amount of white space

-w, --ignore-all-space ignore all white
space

-B, --ignore-blank-lines ignore changes
where lines are all blank

-I, --ignore-matching-lines=RE ignore
changes where all lines match RE

-a, --text treat all files as text

--strip-trailing-cr strip trailing carriage
return on input

-D, --ifdef=NAME output merged file
with '#ifdef NAME' diffs

--GTYPE-group-format=G_FMT format
GTYPE input groups with G_FMT

--line-format=L_FMT format all input
lines with L_FMT

--LTYPE-line-format=L_FMT format LTYPE
input lines with L_FMT

These format options provide fine-grained
control over the output

of diff, generalizing -D/--ifdef.

LTYPE is 'old', 'new', or 'unchanged'. GTYPE
is LTYPE or 'changed'.

G_FMT (only) may contain:

%< lines from FILE1

%> lines from FILE2

%= lines common to FILE1 and FILE2

%[-][WIDTH][.[PREC]]{doxX}LETTER printf-
style spec for LETTER

LETTERS are as follows for new group,
lower case for old group:

F first line number

L last line number

N number of lines = $L - F + 1$

E F-1

M L+1

%(A=B?T:E) if A equals B then T else E

LFMT (only) may contain:

%L contents of line

%l contents of line, excluding any trailing
newline

%[-][WIDTH][.[PREC]]{doxX}n printf-style
spec for input line number

Both GFMT and LFMT may contain:

%% %

%c'C' the single character C

%c'\OOO' the character with octal code
OOO

C the character C (other characters represent themselves)

-d, --minimal try hard to find a smaller set of changes

--horizon-lines=NUM keep NUM lines of the common prefix and suffix

--speed-large-files assume large files and many scattered small changes

--color[=WHEN] color output; WHEN is 'never', 'always', or 'auto';

plain --color means --color='auto'

--palette=PALETTE the colors to use when --color is active; PALETTE is

a colon-separated list of terminfo capabilities

--help display this help and exit

-v, --version output version
information and exit

FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR
FILE' or 'FILE DIR'.

If --from-file or --to-file is given, there are no
restrictions on FILE(s).

If a FILE is '-', read standard input.

Exit status is 0 if inputs are the same, 1 if
different, 2 if trouble.

Report bugs to: bug-diffutils@gnu.org

GNU diffutils home page:

[<https://www.gnu.org/software/diffutils/>](https://www.gnu.org/software/diffutils/)

General help using GNU software:

[<https://www.gnu.org/gethelp/>](https://www.gnu.org/gethelp/)

diff (GNU diffutils) 3.8

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and redistribute it.

There is NO WARRANTY, to the extent
permitted by law.

Written by Paul Eggert, Mike Haertel, David
Hayes,

Richard Stallman, and Len Tower.

1,18c1,166

< chgrp --help

< chgrp --version

< ls -l

< sudo chgrp geeksforgeeks a.txt

< ls -l

< sudo chgrp geeksforgeeks al.txt awk.sh
chown.sh

< ls -l

< sudo chgrp -R --reference=a.txt
outchown.txt

< ls -l

< sudo chgrp -c ammulu a.txt

< sudo chgrp -f ammulu a1.txt

< sudo chgrp -v ammulu a.txt

< ln -s a.txt symbolic_link

< ls -l

< sudo chgrp --dereference geeksforgeeks
symbolic_link

< ls -l

< sudo chgrp --no-dereference geeksforgeeks
symbolic_link

< ls -l

\ No newline at end of file

> Usage: dd [OPERAND]...

- > or: dd OPTION
- > Copy a file, converting and formatting according to the operands.
- >
- > bs=BYTES read and write up to BYTES bytes at a time (default: 512);
- > overrides ibs and obs
- > cbs=BYTES convert BYTES bytes at a time
- > conv=CONVS convert the file as per the comma separated symbol list
- > count=N copy only N input blocks
- > ibs=BYTES read up to BYTES bytes at a time (default: 512)
- > if=FILE read from FILE instead of stdin
- > iflag=FLAGS read as per the comma separated symbol list
- > obs=BYTES write BYTES bytes at a time (default: 512)

- > of=FILE write to FILE instead of stdout
- > oflag=FLAGS write as per the comma separated symbol list
- > seek=N skip N obs-sized blocks at start of output
- > skip=N skip N ibs-sized blocks at start of input
- > status=LEVEL The LEVEL of information to print to stderr;
- > 'none' suppresses everything but error messages,
- >

Finger command

```
ammuLu@LAPTOP-I4949DCG:~$ finger
Login      Name      Tty      Idle   Login Time   Office      Office Phone
ammuLu     *pts/1    1:13     Mar 31 14:20
ammuLu@LAPTOP-I4949DCG:~$ finger manav
finger: manav: no such user.
ammuLu@LAPTOP-I4949DCG:~$ finger ammuLu
Login: ammuLu                                Name:
Directory: /home/ammuLu                     Shell: /bin/bash
On since Sun Mar 31 14:20 (IST) on pts/1    1 hour 13 minutes idle
      (messages off)
No mail.
No Plan.
ammuLu@LAPTOP-I4949DCG:~$
```

```
Windows PowerShell
See 'snap info <snapname>' for additional versions.
ammulu@LAPTOP-I4949DCG: $ sudo apt-get install finger
[sudo] password for ammulu:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  finger
0 upgraded, 1 newly installed, 0 to remove and 83 not upgraded.
Need to get 16.9 kB of archives.
After this operation, 51.2 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/universe amd64 finger amd64 0.17-17 [16.9 kB]
Fetched 16.9 kB in 1s (14.6 kB/s)
Selecting previously unselected package finger.
(Reading database ... 27112 files and directories currently installed.)
Preparing to unpack .../finger_0.17-17_amd64.deb ...
Unpacking finger (0.17-17) ...
Setting up finger (0.17-17) ...
Processing triggers for man-db (2.10.2-1) ...
ammulu@LAPTOP-I4949DCG: $ finger
Login      Name      Tty      Idle Login Time  Office    Office Phone
ammulu     pts/1     1:13    Mar 31 14:28
ammulu@LAPTOP-I4949DCG: $ finger manav
finger: manav: no such user.
ammulu@LAPTOP-I4949DCG: $ finger ammulu
Login: ammulu      Name:
Directory: /home/ammulu  Shell: /bin/bash
On since Sun Mar 31 14:20 (IST) on pts/1  1 hour 13 minutes idle
(messages off)
No mail.
No Plan.
ammulu@LAPTOP-I4949DCG: $ finger -s ammulu
Login      Name      Tty      Idle Login Time  Office    Office Phone
ammulu     pts/1     1:14    Mar 31 14:28
ammulu@LAPTOP-I4949DCG: $ finger -p ammulu
Login: ammulu      Name:
Directory: /home/ammulu  Shell: /bin/bash
On since Sun Mar 31 14:20 (IST) on pts/1  1 hour 15 minutes idle
(messages off)
No mail.
ammulu@LAPTOP-I4949DCG: $ echo "plan is on">~/plan
ammulu@LAPTOP-I4949DCG: $ finger ammulu
Login: ammulu      Name:
Directory: /home/ammulu  Shell: /bin/bash
On since Sun Mar 31 14:20 (IST) on pts/1  1 hour 16 minutes idle
(messages off)
No mail.
Plan:
plan is on
ammulu@LAPTOP-I4949DCG: $
```