

Name:K.Soujanya

Roll No:422163

Section:CSE-A

Write Shell script for commands

pr

```
Activities Terminal Feb 14 16:37
student@ai-HP-ProDesk-600-G4-MT:~/422163
Try 'sort --help' for more information.
student@ai-HP-ProDesk-600-G4-MT:~/422163$ sort --version
sort (GNU coreutils) 8.30
Copyright (C) 2018 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Written by Mike Haertel and Paul Eggert.
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr --help
Usage: pr [OPTION]... [FILE]...
Paginate or columnate FILE(s) for printing.

With no FILE, or when FILE is -, read standard input.

Mandatory arguments to long options are mandatory for short options too.
+FIRST_PAGE[:LAST_PAGE], --pages=FIRST_PAGE[:LAST_PAGE]
    begin [stop] printing with page FIRST_[:LAST_]PAGE
-COLUMN, --columns=COLUMN
    output COLUMN columns and print columns down,
    unless -a is used. Balance number of lines in the
    columns on each page
-a, --across
    print columns across rather than down, used together
    with -COLUMN
-c, --show-control-chars
    use hat notation (^G) and octal backslash notation
-d, --double-space
    double space the output
-D, --date-format=FORMAT
    use FORMAT for the header date
-e[CHAR[WIDTH]], --expand-tabs[=CHAR[WIDTH]]
    expand input CHARs (TABs) to tab WIDTH (8)
-F, -f, --form-feed
    use form feeds instead of newlines to separate pages
    (by a 3-line page header with -F or a 5-line header
    and trailer without -F)
-h, --header=HEADER
```

```
Activities Terminal Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT:~/422163
With no FILE, or when FILE is -, read standard input.

Mandatory arguments to long options are mandatory for short options too.
+FIRST_PAGE[:LAST_PAGE], --pages=FIRST_PAGE[:LAST_PAGE]
    begin [stop] printing with page FIRST_[:LAST_]PAGE
-COLUMN, --columns=COLUMN
    output COLUMN columns and print columns down,
    unless -a is used. Balance number of lines in the
    columns on each page
-a, --across
    print columns across rather than down, used together
    with -COLUMN
-c, --show-control-chars
    use hat notation (^G) and octal backslash notation
-d, --double-space
    double space the output
-D, --date-format=FORMAT
    use FORMAT for the header date
-e[CHAR[WIDTH]], --expand-tabs[=CHAR[WIDTH]]
    expand input CHARs (TABs) to tab WIDTH (8)
-F, -f, --form-feed
    use form feeds instead of newlines to separate pages
    (by a 3-line page header with -F or a 5-line header
    and trailer without -F)
-h, --header=HEADER
    use a centered HEADER instead of filename in page header,
    -h "" prints a blank line, don't use -h"
-i[CHAR[WIDTH]], --output-tabs[=CHAR[WIDTH]]
    replace spaces with CHARs (TABs) to tab WIDTH (8)
-J, --join-lines
    merge full lines, turns off -W line truncation, no column
    alignment, --sep-string[=STRING] sets separators
-l, --length=PAGE_LENGTH
    set the page length to PAGE_LENGTH (66) lines
    (default number of lines of text 56, and with -F 63).
    implies -t if PAGE_LENGTH <= 10
-m, --merge
    print all files in parallel, one in each column,
    truncate lines, but join lines of full length with -J
```

```
Activities Terminal ▾ Feb 14 16:38 student@ai-HP-ProDesk-600-G4-MT: ~/422163
set the page length to PAGE_LENGTH (66) lines
(default number of lines of text 56, and with -F 63).
implies -t if PAGE_LENGTH <= 10
-M, --merge
    print all files in parallel, one in each column,
    truncate lines, but join lines of full length with -J
-n[SEP[DIGITS]], --number-lines[=SEP[DIGITS]]
    number lines, use DIGITS (5) digits, then SEP (TAB),
    default counting starts with 1st line of input file
-N, --first-line-number=NUMBER
    start NUMBER at 1st line of first
    page printed (see +FIRST_PAGE)
-o, --indent=MARGIN
    offset each line with MARGIN (zero) spaces, do not
    affect -w or -W, MARGIN will be added to PAGE_WIDTH
-r, --no-file-warnings
    omit warning when a file cannot be opened
-s[CHAR], --separator[=CHAR]
    separate columns by a single character, default for CHAR
    is the <TAB> character without -w and 'no char' with -w.
    -s[CHAR] turns off line truncation of all 3 column
    options (-COLUMN|-a -COLUMN|-m) except -w is set
-S[STRING], --sep-string[=STRING]
    separate columns by STRING,
    without -S: Default separator <TAB> with -J and <space>
    otherwise (same as -S " "), no effect on column options
-t, --omit-header
    omit page headers and trailers;
    implied if PAGE_LENGTH <= 10
-T, --omit-pagination
    omit page headers and trailers, eliminate any pagination
    by form feeds set in input files
-v, --show-nonprinting
    use octal backslash notation
-w, --width=PAGE_WIDTH
    set page width to PAGE_WIDTH (72) characters for
    multiple text-column output only, -s[char] turns off (72)
-W, --page-width=PAGE_WIDTH
    set page width to PAGE_WIDTH (72) characters always,
```

```
Activities Terminal ▾ Feb 14 16:38 student@ai-HP-ProDesk-600-G4-MT: ~/422163
-s[CHAR], --separator[=CHAR]
    separate columns by a single character, default for CHAR
    is the <TAB> character without -w and 'no char' with -w.
    -s[CHAR] turns off line truncation of all 3 column
    options (-COLUMN|-a -COLUMN|-m) except -w is set
-S[STRING], --sep-string[=STRING]
    separate columns by STRING,
    without -S: Default separator <TAB> with -J and <space>
    otherwise (same as -S " "), no effect on column options
-t, --omit-header
    omit page headers and trailers;
    implied if PAGE_LENGTH <= 10
-T, --omit-pagination
    omit page headers and trailers, eliminate any pagination
    by form feeds set in input files
-v, --show-nonprinting
    use octal backslash notation
-w, --width=PAGE_WIDTH
    set page width to PAGE_WIDTH (72) characters for
    multiple text-column output only, -s[char] turns off (72)
-W, --page-width=PAGE_WIDTH
    set page width to PAGE_WIDTH (72) characters always,
    truncate lines, except -J option is set, no interference
    with -S or -s
--help
    display this help and exit
--version
    output version information and exit

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation at: <https://www.gnu.org/software/coreutils/pr>
or available locally via: info '(coreutils) pr invocation'
student@ai-HP-ProDesk-600-G4-MT: ~/422163$ pr -3 file1.txt

2024-02-14 16:17          file1.txt          Page 1

::: He is Smart      You are INtelligent      He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38 student@ai-HP-ProDesk-600-G4-MT: ~/422163
student@ai-HP-ProDesk-600-G4-MT: ~/422163$ pr -3 file1.txt

2024-02-14 16:17          file1.txt          Page 1

He is Smart      You are INtelligent      He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -t file1.txt
He is Smart
You are INtelligent
He is Smart
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -d file1.txt

2024-02-14 16:17           file1.txt          Page 1

He is Smart
You are INtelligent
He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -n file1.txt

2024-02-14 16:17           file1.txt          Page 1

1 He is Smart
2 You are INtelligent
3 He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr --version
pr (GNU coreutils) 8.30
Copyright (C) 2018 Free Software Foundation, Inc.
License GPLv3+: GNU GPL Version 3 or later <https://gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Written by Pete TerMaat and Roland Huebner.
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -a file1.txt

2024-02-14 16:17           file1.txt          Page 1

He is Smart
You are INtelligent
He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -d file1.txt

2024-02-14 16:17          file1.txt          Page 1

He is Smart
You are INtelligent
He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -m file1.txt file2.txt

2024-02-14 16:27          Page 1

He is Smart          You are INtelligent
You are INtelligent          He is Smart
He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -w file1.txt
pr: '-w PAGE_WIDTH' invalid number of characters: 'file1.txt'
student@ai-HP-ProDesk-600-G4-MT:~/422163$ pr -w 7 file1.txt

2024-02-14 16:17 file1.txt Page 1

He is Smart
You are INtelligent
He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT: ~/422163$ pr -e file1.txt

2024-02-14 16:17           file1.txt          Page 1

He is Smart
You are INtelligent
He is Smart
```

```
Activities Terminal ▾ Feb 14 16:38
student@ai-HP-ProDesk-600-G4-MT: ~/422163$ pr -n file1.txt

2024-02-14 16:17           file1.txt          Page 1

1 He ls Smart
2 You are INtelligent
3 He is Smart
```