

CYCLE 1

Write a syntax and usage the directory management commands with all options.

Command: ls, cd, pwd, mkdir

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Activities Terminal Thu 10:54
sjcet@Z238-UL: ~/freshmaroy

(base) sjcet@Z238-UL:~$ pwd
/home/sjcet
(base) sjcet@Z238-UL:~$ mkdir cycle1
Command 'mkdir' not found, did you mean:
  command 'nmdir' from deb nexus-tools
  command 'mkdir' from deb coreutils
Try: sudo apt install <deb name>
(base) sjcet@Z238-UL:~$ mkdir cycle1
(base) sjcet@Z238-UL:~$ ls
'0Br'$'\t'      customer_data.csv  examples.desktop  NLP.ipynb      seaborn-data  Untitled1.ipynb  Untitled8.ipynb
20mca007       cycle1            exam-user.jpg     nltk_data      sjcet-official.jpg  Untitled2.ipynb  'Untitled Document 1'
anaconda3      cycle2            iris.csv          Pictures        snap           Untitled3.ipynb  Untitled.ipynb
AnandulabInternal  cycle5            Jincys1MCA       Public          student.gif    Untitled4.ipynb  Videos
Android        Desktop           Kmeans.ipynb     Python          Templates      Untitled5.ipynb  Webprogramming-
AndroidStudioProjects Documents         Labels_4.txt      R              tickets.txt    Untitled6.ipynb
AnnualTicketSales.csv Downloads         Music             R              tickets.txt    Untitled7.ipynb

(base) sjcet@Z238-UL:~$ man ls
(base) sjcet@Z238-UL:~$ man ls
manls: command not found
(base) sjcet@Z238-UL:~$ man ls
(base) sjcet@Z238-UL:~$ man printf
(base) sjcet@Z238-UL:~$ man 2intro
No manual entry for 2intro
(Alternatively, what manual page do you want from section 2intro?)
(base) sjcet@Z238-UL:~$ man 2 intro
(base) sjcet@Z238-UL:~$ man -aw
/home/sjcet/anaconda3/man:usr/local/man:usr/local/share/man:usr/share/man
(base) sjcet@Z238-UL:~$ man -a
What manual page do you want?
(base) sjcet@Z238-UL:~$ ls -a
.          .conda      .gitconfig    .mozilla      R           .tooling
'0Br'$'\t' .condarc     .gnome         Music          .Rhistory   Untitled1.ipynb
20mca007  .config     .gnupg        .mysql        .rpmb       Untitled2.ipynb
anaconda  .continuum  .ICEauthority  .mysql_history .rstudio-desktop  Untitled3.ipynb
anaconda3 customer_data.csv .ipynb_checkpoints .netbeans    seaborn-data  Untitled4.ipynb
AnandulabInternal  cycle2            .ipython      NLP.ipynb    sjcet-official.jpg  Untitled5.ipynb
Android     cycle5         .java         nltk_data     snap          Untitled6.ipynb
AndroidStudioProjects Desktop          Jincys1MCA    .oracle_jre_usage .sqldeveloper  Untitled7.ipynb
AnnualTicketSales.csv Downloads        Jupyter       .p2           student.gif    Untitled8.ipynb
                Downloads         Kmeans.ipynb  .py            student.gif    'Untitled Document 1'
                Downloads         Labels_4.txt   .py            subversion     Untitled.ipynb
                Downloads         Music         .py            subversion     Untitled.ipynb
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Activities Terminal Thu 10:44 sjcet@Z238-UL: ~/reshmaroy

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AndroidStudioProjects Documents .jupyter .p2 Untitled.ipynb
AnnualTicketsSales.csv Downloads Kmeans.ipynb Pictures Videos
.bash_history .eclipse labels_4.txt .pki .profile Public Webprogramming-
.bash_logout .emulator_console_auth_token .local .matlab Python tickets.txt
.bashrc examples.desktop .ndg
.cache exam-user.jpg
(base) sjcet@Z238-UL:~$ pwd
/home/sjcet
(base) sjcet@Z238-UL:~$ cd/home/sjcet/reshma
bash: cd/home/sjcet/reshma: No such file or directory
(base) sjcet@Z238-UL:~$ cd reshma
bash: cd: reshma: No such file or directory
(base) sjcet@Z238-UL:~$ ls -a
.
..
'0Br'S't'
20mca007
.anaconda customer_data.csv
anaconda3 cycle1
AnandulabInternal cycle2
.android cycle5
Android .dbus
.AndroidStudio3.2 Desktop
AndroidStudioProjects Documents
AnnualTicketsSales.csv Downloads
.bash_history .eclipse
.bash_logout .emulator_console_auth_token
.bashrc examples.desktop
.cache exam-user.jpg
.gitconfig
.gnome
.gondarc
.config
.continuum
.gradle
.ICEauthority
.ipynb_checkpoints
.lpython
iris.csv
.java
JincysIMCA
.jupyter
Kmeans.ipynb
labels_4.txt
.local
.matlab
.ndg
.mozilla
Music
.mysql
.mysql_history
.nbi
.netbeans
NLP.ipynb
nlk_data
.nltk_data
.oracle_jre_usage
.p2
Pictures
.pki
.profile
.Public
Python
R
.Rhistory
.sudo_as_admin_successful
SVM.ipynb
.swf
Templates
tickets.txt
.tooling
Untitled1.ipynb
Untitled2.ipynb
Untitled3.ipynb
Untitled4.ipynb
Untitled5.ipynb
Untitled6.ipynb
Untitled7.ipynb
Untitled8.ipynb
'Untitled Document 1'
Untitled.ipynb
Videos
.viminfo
Webprogramming-
.wget-hsts

(base) sjcet@Z238-UL:~$ cd/home/sjcet/reshmaroy
bash: cd/home/sjcet/reshmaroy: No such file or directory
(base) sjcet@Z238-UL:~$ mkdir reshmaroy
(base) sjcet@Z238-UL:~$ cd/home/sjcet/reshmaroy
bash: cd/home/sjcet/reshmaroy: No such file or directory
(base) sjcet@Z238-UL:~$ cd reshmaroy
(base) sjcet@Z238-UL:~/reshmaroy$ ls -a
.
..
(base) sjcet@Z238-UL:~/reshmaroy$ ls -t
total 0
(base) sjcet@Z238-UL:~/reshmaroy$ man 2 intro
(base) sjcet@Z238-UL:~/reshmaroy$ man printf
(base) sjcet@Z238-UL:~/reshmaroy$
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Command man: ls, printf, 2 intro

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Activities Terminal Thu 10:17 sjcet@Z238-UL: ~

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LS(1) User Commands LS(1)

NAME
ls - list directory contents

SYNOPSIS
ls [OPTION]... [FILE]...

DESCRIPTION
List information about the FILES (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

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

-a, --all
do not ignore entries starting with .

-A, --almost-all
do not list implied . and ..

--author
with -l, print the author of each file

-b, --escape
print C-style escapes for nongraphic characters

--block-size=SIZE
scale sizes by SIZE before printing them; e.g., '--block-size=M' prints sizes in units of 1,048,576 bytes; see SIZE format below

-B, --ignore-backups
do not list implied entries ending with ~

-c with -lt: sort by, and show, ctime (time of last modification of file status information); with -l: show ctime and sort by name; otherwise: sort by ctime, newest first

-C list entries by columns

--color[=WHEN]
colorize the output; WHEN can be 'always' (default if omitted), 'auto', or 'never'; more info below

-d, --directory
list directories themselves, not their contents

-D, --dired
generate output designed for Emacs' dired mode

Manual page ls(1) line 1 (press h for help or q to quit)
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Activities Terminal Thu 10:43
sjcet@Z238-UL: ~/reshmaroy

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PRINTF(1) User Commands PRINTF(1)

NAME
printf - format and print data

SYNOPSIS
printf FORMAT [ARGUMENT]...
printf OPTION

DESCRIPTION
Print ARGUMENT(s) according to FORMAT, or execute according to OPTION:

--help display this help and exit
--version output version information and exit

FORMAT controls the output as in C printf. Interpreted sequences are:

\" double quote
\\ backslash
\a alert (BEL)
\b backspace
\c produce no further output
\e escape
\f form feed
\n new line
\r carriage return
\t horizontal tab
\v vertical tab
\NNN byte with octal value NNN (1 to 3 digits)
\xHH byte with hexadecimal value HH (1 to 2 digits)
Manual page printf(1) line 1 (press h for help or q to quit)
```

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Activities Terminal Thu 10:42
sjcet@Z238-UL: ~/reshmaroy

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INTRO(2) Linux Programmer's Manual INTRO(2)

NAME
intro - introduction to system calls

DESCRIPTION
Section 2 of the manual describes the Linux system calls. A system call is an entry point into the Linux kernel. Usually, system calls are not invoked directly; instead, most system calls have corresponding C library wrapper functions which perform the steps required (e.g., trapping to kernel mode) in order to invoke the system call. Thus, making a system call looks the same as invoking a normal library function.

In many cases, the C library wrapper function does nothing more than:

* copying arguments and the unique system call number to the registers where the kernel expects them;
* trapping to kernel mode, at which point the kernel does the real work of the system call;
* setting errno if the system call returns an error number when the kernel returns the CPU to user mode.

However, in a few cases, a wrapper function may do rather more than this, for example, performing some preprocessing of the arguments before trapping to kernel mode, or postprocessing of values returned by the system call. Where this is the case, the manual pages in Section 2 generally try to note the details of both the (usually GNU) C library API interface and the raw system call. Most commonly, the main DESCRIPTION will focus on the C library interface, and differences for the system call are covered in the NOTES section.

For a list of the Linux system calls, see syscalls(2).

RETURN VALUE
On error, most system calls return a negative error number (i.e., the negated value of one of the constants described in errno(3)). The C library wrapper hides this detail from the caller: when a system call returns a negative value, the wrapper copies the absolute value into the errno variable, and returns -1 as the return value of the wrapper.

The value returned by a successful system call depends on the call. Many system calls return 0 on success, but some can return nonzero values from a successful call. The details are described in the individual manual pages.

In some cases, the programmer must define a feature test macro in order to obtain the declaration of a system call from the header file specified in the man page SYNOPSIS section. (Where required, these feature test macros must be defined before including any header files.) In such cases, the required macro is described in the man page. For further information on feature test macros, see feature_test_macros(7).

CONFORMING TO
Certain terms and abbreviations are used to indicate UNIX variants and standards to which calls in this section conform. See standards(7).

NOTES
Calling directly
In most cases, it is unnecessary to invoke a system call directly, but there are times when the Standard C library does not implement a nice wrapper function for you. In this case, the programmer must manually invoke the system call using syscall(2). Historically, this was also possible using one of the
Manual page intro(2) line 1 (press h for help or q to quit)
```