Basic Linux Commands

Today I learned the following commands:

- ls
- dir
- cat
- mv
- mkdir
- rmdir
- rm
- man

Here are some screenshots:

```
[root@localhost ~]# date
Fri Dec 24 14:06:54 UTC 2021
[root@localhost ~]# ls
bench.py  hello.c  README.md
[root@localhost ~]# la
sh: la: command not found
[root@localhost ~]# ls -a
.   .bash_logout   .bashrc    .cshrc     hello.c     .tcshrc
..  .bash_profile  bench.py   .emacs.d   README.md
[root@localhost ~]# ls -l
total 12
-rw-r--r-- 1 root root 113 Sep  9  2018 bench.py
-rw-r--r-- 1 root root 185 Sep  9  2018 hello.c
-rw-r--r-- 1 root root 109 Dec 24 14:06 README.md
[root@localhost ~]# ls -al
total 44
dr-xr-x---  3 root root 267 Sep 15  2018 .
drwxrwxrwx 21 root root 575 Dec 24 13:45 ..
-rw-r--r--  1 root root  18 Jul 15  2018 .bash_logout
-rw-r--r--  1 root root 176 Jul 15  2018 .bash_profile
-rw-r--r--  1 root root 176 Jul 15  2018 .bashrc
-rw-r--r--  1 root root 113 Sep  9  2018 bench.py
-rw-r--r--  1 root root 100 Jul 15  2018 .cshrc
drwx------  3 root root  68 Jan  1  1970 .emacs.d
-rw-r--r--  1 root root 185 Sep  9  2018 hello.c
-rw-r--r--  1 root root 109 Dec 24 14:06 README.md
-rw-r--r--  1 root root 129 Jul 15  2018 .tcshrc
[root@localhost ~]#
```

```
Hello, World!

[root@localhost ~]# date
Fri Dec 24 14:07:26 UTC 2021
[root@localhost ~]# cat README.md
Hello, World!

Here are some commands I learned today!
- ls
- cat
- mv
- cp
- sudo
- mkdir
- rmdir
- rm
- pr
[root@localhost ~]# cat README.md hello.c > combined.md
[root@localhost ~]# cat combined.md
Hello, World!

Here are some commands I learned today!
- ls
- cat
- mv
- cp
- sudo
- mkdir
- rmdir
- rm
- pr
/* This C source can be compiled with:
   gcc -o hello hello.c
*/
#include <stdlib.h>
#include <stdio.h>

int main(int argc, char **argv)
{
    printf("Hello World\n");
    return 0;
}
[root@localhost ~]#
```

```
Hello, World!
[root@localhost ~]# date
Fri Dec 24 14:09:03 UTC 2021
[root@localhost ~]# echo "Renaming a file"
Renaming a file
[root@localhost ~]# mv combined.md renamed.md
[root@localhost ~]# ls
bench.py  hello.c  README.md  renamed.md
[root@localhost ~]# man ls
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
              with  -l,  scale   sizes   by   SIZE   when   printing   them;   e.g.,
              '--block-size=M'; see SIZE format below

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

```
[root@localhost ~]# date
Fri Dec 24 14:09:03 UTC 2021
[root@localhost ~]# echo "Renaming a file"
Renaming a file
[root@localhost ~]# mv combined.md renamed.md
[root@localhost ~]# ls
bench.py  hello.c  README.md  renamed.md
[root@localhost ~]# man ls
LS(1)                           User Commands                          LS(1)

NAME
[root@localhost ~]# date
Fri Dec 24 14:10:48 UTC 2021
[root@localhost ~]# mkdir folder
[root@localhost ~]# ls
bench.py  folder  hello.c  README.md  renamed.md
[root@localhost ~]# rmdir folder/
[root@localhost ~]# ls
bench.py  hello.c  README.md  renamed.md
[root@localhost ~]# pr -3 README.md


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Hello, World!           - cat                    - mkdir
                        - mv                     - rmdir
Here are some commands  - cp                     - rm
- ls                    - sudo                   - pr
```

```
[root@localhost ~]# date
Fri Dec 24 14:12:04 UTC 2021
[root@localhost ~]# pr -n hello.c

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    1    /* This C source can be compiled with:
    2        gcc -o hello hello.c
    3    */
    4    #include <stdlib.h>
    5    #include <stdio.h>
    6
    7    int main(int argc, char **argv)
    8    {
    9        printf("Hello World\n");
   10        return 0;
   11    }
```

VI Editor

Today I learned about some commands in vim and difference between normal and insert mode.

```
Hello, World!

Here are some commands I learned today!
- ls
- cat
- mv
- cp
- sudo
- mkdir
- rmdir
- rm
- pr

Also, Vi is fun.
~
~
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~
:wq
```

```
Hello, World!

Here are some commands I learned today!
- ls
- cat
- mv
- cp
- sudo
- mkdir
- rmdir
- rm
- pr

Also, Vi is fun.
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-- INSERT --
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```