

List of Commands

1 Commands in a Terminal

pwd (print working directory): display the current directory

ls (list segments): display all files and directories in the current directory

mkdir (make directory): make a new directory

mv (move): move a specified file to another place, or rename a specified file (= move it to the same place with a different name)

cd (change directory): change the current directory

cp (copy): copy a specified file

rm (remove): remove a specified file

cat (catenate): display a file

2 Useful Shortcut Commands in irb

Tab : complement your typing

Ctrl c : force-quit

Ctrl d : quit irb

↑ or ↓ : trace back the last inputs

Other commands

Ctrl p : same as **↑** or **↓**

Ctrl n : same as **↓**

Ctrl r : Search the history

Ctrl b or ← : Move the cursor to the left

Ctrl f or → : Move the cursor to the right

Ctrl a : Move the cursor to the beginning

Ctrl e : Move the cursor to the end

Ctrl k : Delete the right part after the cursor

Ctrl w : Delete the left part before the cursor

Ctrl y : Recover deleted one at the position

3 File Management in irb

To display the current directory (same as `pwd`),

```
Dir.pwd # same as Dir.pwd()
```

To display file and directories in the current directory (same as `ls`),

```
Dir.entries(".")
```

“.” is a relative-path name of the current directory.

To change the current directory (same as `cd`), type in, for example,

```
Dir.chdir("Desktop")
Dir.chdir("../")
Dir.chdir("/home02/ckaki")
```

The second one means to go to the parent directory.

4 Loading a Function from a File

```
load("FILE NAME")
```

For example, write

```
load("./bmi.rb")
```

Note that `./` means the current directory. We need to specify where the file is.

Trouble Shooting on Loading a File

- irb says “**no such file to load**”.

You may be running irb in directory different from one having the Ruby file.

Answer. Confirm that you have a file in the directory when you type in irb Can use unix commands such as `cd`, `pwd` by putting them between “

- Irb says “**undefined method**” despite you load the function correctly.
 - Your file may have a new-line character CR(Mac), which cannot be read by Ruby.

Answer1. Change the new-line char to LF(UNIX) and resave it
 - The loaded file is different from one you are editing with text editor, and the loaded file is empty.

Answer2. Change the directory

Trouble Shooting on Editing a File

- When you click a Ruby file, e.g., bmi.rb, Mac may open this file with another application(Xcode).

You need to change the application associated with the postfix(.rb) to mi(or emacs).

Answer. Right-click on the file “get info” “open .. with this application” Use the menu “open” in text editor.

Trouble Shooting on Copying

- irb displays sentences like **Display all 200 possibilities? (y or n)** and cannot enter commands any more.

Answer It happens sometimes when you copy&paste a text containing TAB. Delete TAB, or use load to avoid the error.