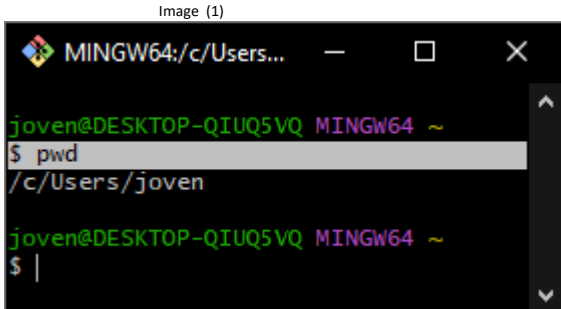


# Observation Report

## 1. “pwd” (print working directory)

Image (1)



```

MINGW64:/c/Users/...
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$ pwd
/c/Users/joven
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$ |
  
```

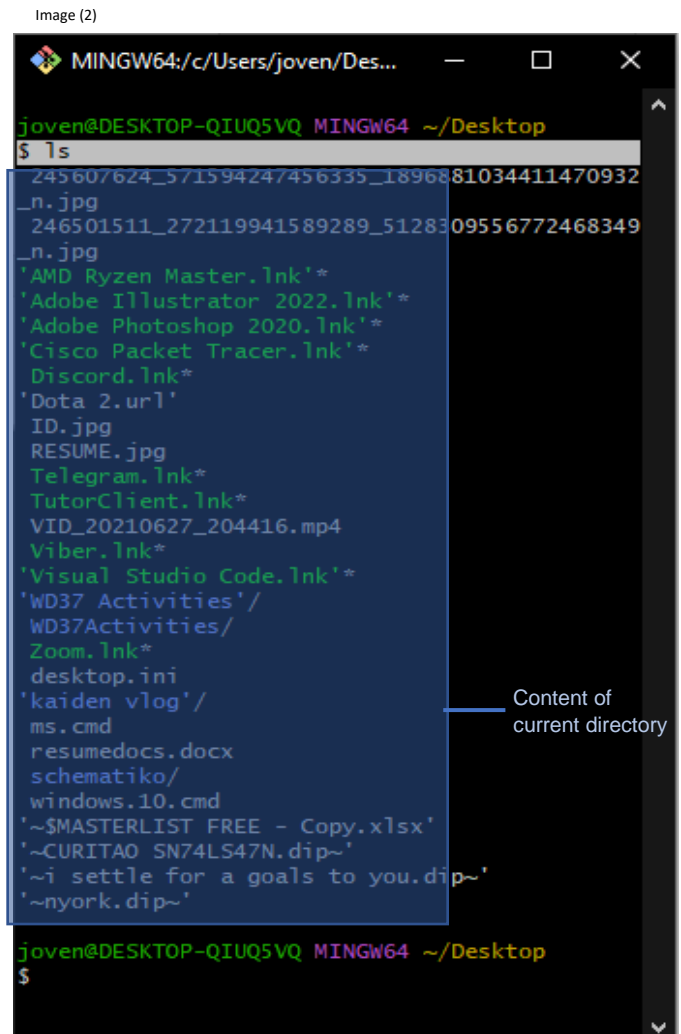
➡ Programmer can use “pwd” to show where is the current working **Directory**

## 2. ls(listing files)

➡ Since the programmer is already aware on where is the current directory, programmer may now look what is the content of it using command “ls”.

This is to see what are the file name of the current directory that will serves as directory to use for changing directory.

Image (2)



```

MINGW64:/c/Users/joven/Des...
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop
$ ls
245607624_571594247456335_1896881034411470932
_n.jpg
246501511_272119941589289_5128309556772468349
_n.jpg
'AMD Ryzen Master.lnk'*
'Adobe Illustrator 2022.lnk'*
'Adobe Photoshop 2020.lnk'*
'Cisco Packet Tracer.lnk'*
Discord.lnk*
'Dota 2.url'
ID.jpg
RESUME.jpg
Telegram.lnk*
TutorClient.lnk*
VID_20210627_204416.mp4
Viber.lnk*
'Visual Studio Code.lnk'*
'WD37 Activities'/
WD37Activities/
Zoom.lnk*
desktop.ini
'kaiden vlog'/
ms.cmd
resumedocs.docx
schematiko/
windows.10.cmd
'~$MASTERLIST FREE - Copy.xlsx'
'~CURITAO SN74LS47N.dip~'
'~i settle for a goals to you.dip~'
'~nyork.dip~'

joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop
$
  
```

Content of current directory

### 3. ls -a

➡ Like command ls, command -a will show the directories in the current directory but will also show the **hidden files**.

There are more types of listing files commands that is not that necessary but can still help programmers.

<https://www.atatus.com/blog/ls-command-in-linux-with-example/>

Image (3)

```
MINGW64:/c/users/joven/Desktop
$ cd ..
joven@DESKTOP-QIUQ5VQ MINGW64 /c/users/joven/Desktop
$ ls -a
./
../
245607624_571594247456335_1896881034411470932_n.jpg
246501511_272119941589289_5128309556772468349_n.jpg
'AMD Ryzen Master.lnk'*
'Adobe Illustrator 2022.lnk'*
'Adobe Photoshop 2020.lnk'*
'Cisco Packet Tracer.lnk'*
'Discord.lnk*'
'Dota 2.url'
ID.jpg
RESUME.jpg
Telegram.lnk*
TutorClient.lnk*
VID_20210627_204416.mp4
Viber.lnk*
'Visual Studio Code.lnk'*
'WD37 Activities/'
'WD37Activities/'
Zoom.lnk*
desktop.ini
'kaiden vlog/'
ms.cmd
resumedocs.docx
schematiko/
windows.10.cmd
'~$MASTERLIST FREE - Copy.xlsx'
'~CURITAO SN74LS47N.dip~'
'~i settle for a goals to you.dip~'
'~nyork.dip~'
joven@DESKTOP-QIUQ5VQ MINGW64 /c/users/joven/Desktop
$
```

Image (4)

```
MINGW64:/c/Users/joven/Desktop...
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop
$ ls
245607624_571594247456335_1896881034411470932_n.jpg
246501511_272119941589289_5128309556772468349_n.jpg
'AMD Ryzen Master.lnk'*
'Adobe Illustrator 2022.lnk'*
'Adobe Photoshop 2020.lnk'*
'Cisco Packet Tracer.lnk'*
'Discord.lnk*'
'Dota 2.url'
ID.jpg
RESUME.jpg
Telegram.lnk*
TutorClient.lnk*
VID_20210627_204416.mp4
Viber.lnk*
'Visual Studio Code.lnk'*
'WD37 Activities/'
'WD37Activities/'
Zoom.lnk*
desktop.ini
'kaiden vlog/'
ms.cmd
resumedocs.docx
schematiko/
windows.10.cmd
'~$MASTERLIST FREE - Copy.xlsx'
'~CURITAO SN74LS47N.dip~'
'~i settle for a goals to you.dip~'
'~nyork.dip~'
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop
$ cd WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities
$
```

### 4. cd (change directory)

➡ Programmer can use command “cd” that is invoked with and appended directory name of where will be heading to, to save or to create the directory where the projects will be saved.

Programmer could use “/” to change directory the further folders or to directly change the directory from current directory like what you can see in image (6).

Image (5)

```
MINGW64:/c/Users/joven/Desktop/WD37A...
joven@DESKTOP-QIUQ5VQ MINGW64 /
$ cd c/Users/joven/Desktop/WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities
$ |
```

## 5. "cd ..", "cd -" and "cd --"

➡ Sometimes programmer is changing decision on where the project will be place and need to go back to the last directory from current directory.

cd .. will just continue go back

cd --to default directory

cd - is a loop from current directory and last directory

Image 7 is showing the changes of directory from /c/users/joven/documents/LOADINGWEBSITE/NEUWEBSITE

to /c/users/joven/Desktop/WD37Activities.

Image 8 is showing the changes from current directory to your default directory

Image (7)

```
MINGW64:/c/Users/joven
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities
$ pwd
/c/Users/joven/Desktop/WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities
$ cd --
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$ pwd
/c/Users/joven
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$
```

Image (6)

```
MINGW64:/c/users/joven/Desktop/WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 /
$ cd c/users/joven/documents/LOADINGWEBSITE/NEUWEBSITE
joven@DESKTOP-QIUQ5VQ MINGW64 /c/users/joven/documents/LOADIN
GWEBSITE/NEUWEBSITE
$ cd ..
joven@DESKTOP-QIUQ5VQ MINGW64 /c/users/joven/documents/LOADIN
GWEBSITE
$ cd ..
joven@DESKTOP-QIUQ5VQ MINGW64 /c/users/joven/documents
$ cd ..
joven@DESKTOP-QIUQ5VQ MINGW64 /c/users/joven
$ cd Desktop/WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 /c/users/joven/Desktop/WD37Acti
vities
$ |
```

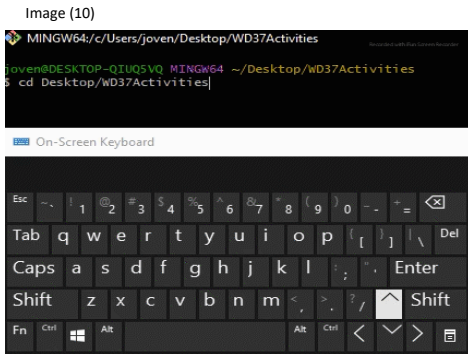
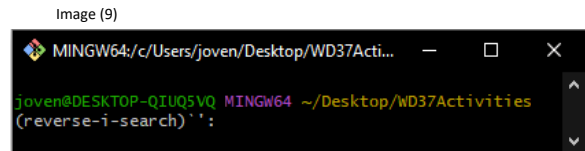
Image (8)

```
MINGW64:/c/Users/joven/Desktop/WD37Acti...
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$ pwd
/c/Users/joven
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$ cd Desktop/WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities
$ cd -
/c/Users/joven
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$ cd -
/c/Users/joven/Desktop/WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities
$ cd -
/c/Users/joven
joven@DESKTOP-QIUQ5VQ MINGW64 ~
$ cd -
/c/Users/joven/Desktop/WD37Activities
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities
$
```

Image 9 is showing the changes of directory from /c/users/joven/Desktop/WD37Activities and /c/users/joven/Desktop

## 6. “ctrl + r” or “arrow up and down”

➡ Ctrl + r is to specifically search history

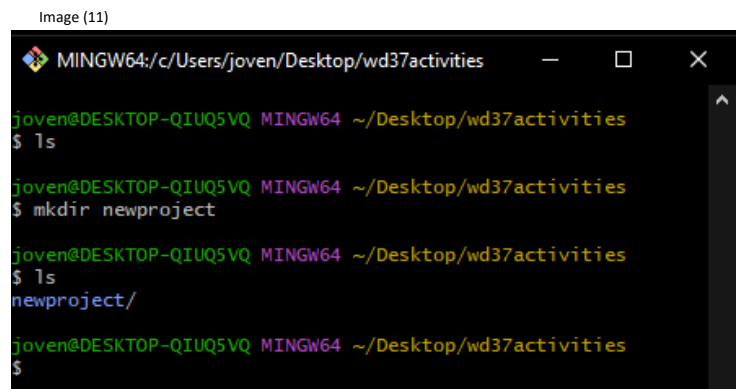


➡ **Arrow up** and down is often use when you just used it or you can call it manual searching of history.

## 7. mkdir (make directory)

➡ To create directory

If the programmer is already on the right directory, he/she can now proceed to creating a specific directory for specific project



## 8. rmdir (remove directory)

To delete directory

If the programmer doesn't need the directory written in the current directory, he/she may now delete it.

## 9. mv (moved verbose)

➡ To rename or to move the file, a directory or a symlink

Sometimes programmer making misspelled or having a typo error why making directory, command “mv” will help.

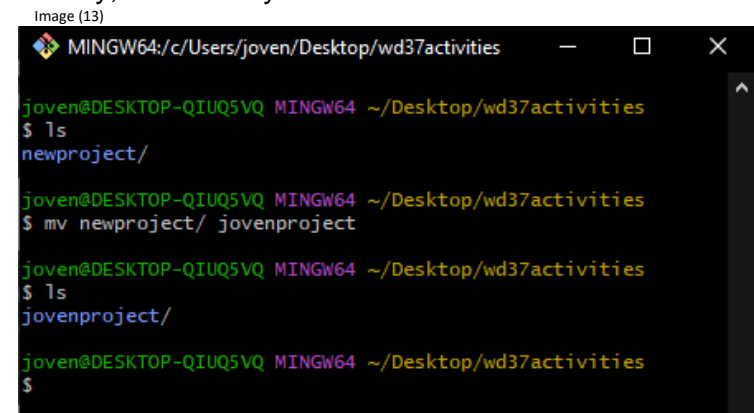
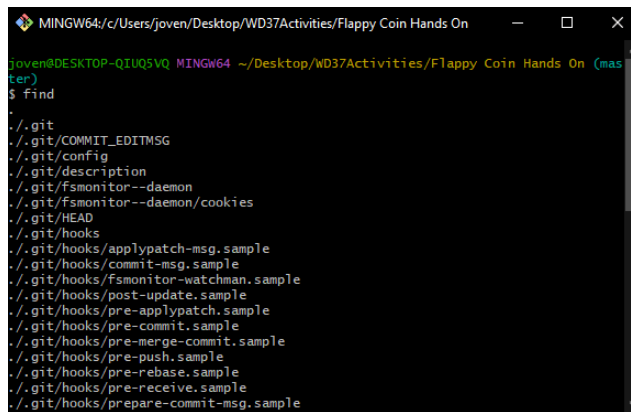


Image (14)

## 10. find

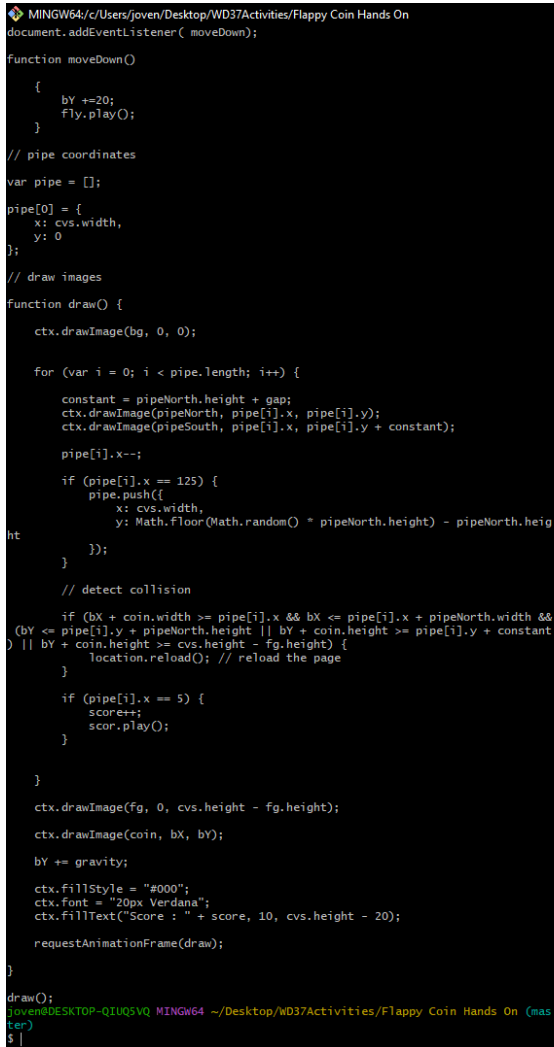
For searching specific file

Image (15)



```
MINGW64/c/Users/joven/Desktop/WD37Activities/Flappy Coin Hands On
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities/Flappy Coin Hands On (master)
$ find
.
./.git
./.git/COMMIT_EDITMSG
./.git/config
./.git/description
./.git/fsmonitor--daemon
./.git/fsmonitor--daemon/cookies
./.git/HEAD
./.git/hooks
./.git/hooks/applypatch-msg.sample
./.git/hooks/commit-msg.sample
./.git/hooks/fsmonitor-watchman.sample
./.git/hooks/post-update.sample
./.git/hooks/pre-applypatch.sample
./.git/hooks/pre-commit.sample
./.git/hooks/pre-merge-commit.sample
./.git/hooks/pre-push.sample
./.git/hooks/pre-rebase.sample
./.git/hooks/pre-receive.sample
./.git/hooks/prepare-commit-msg.sample
```

Image (16)



```
document.addEventListener( moveDown);

function moveDown()
{
    bY +=20;
    fly.play();
}

// pipe coordinates
var pipe = [];
pipe[0] = {
    x: cvs.width,
    y: 0
};

// draw images
function draw() {
    ctx.drawImage(bg, 0, 0);

    for (var i = 0; i < pipe.length; i++) {
        constant = pipeNorth.height + gap;
        ctx.drawImage(pipeNorth, pipe[i].x, pipe[i].y);
        ctx.drawImage(pipeSouth, pipe[i].x, pipe[i].y + constant);

        pipe[i].x--;
        if (pipe[i].x == 125) {
            pipe.push({
                x: cvs.width,
                y: Math.floor(Math.random() * pipeNorth.height) - pipeNorth.height
            });
        }
        // detect collision
        if (bx + coin.width >= pipe[i].x && bx <= pipe[i].x + pipeNorth.width &&
            (by <= pipe[i].y + pipeNorth.height || by + coin.height >= pipe[i].y + constant) || by + coin.height >= cvs.height - fg.height) {
            location.reload(); // reload the page
        }

        if (pipe[i].x == 5) {
            score++;
            scor.play();
        }
    }

    ctx.drawImage(fg, 0, cvs.height - fg.height);

    ctx.drawImage(coin, bx, by);

    by += gravity;

    ctx.fillStyle = "#000";
    ctx.font = "20px Verdana";
    ctx.fillText("Score : " + score, 10, cvs.height - 20);

    requestAnimationFrame(draw);
}

draw();
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities/Flappy Coin Hands On (master)
$ |
```

## 11. cat

To view what's inside the file

Image (17)



```
MINGW64/c/Users/joven/Desktop/WD37Activities/jovenproject
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities/jovenproject
$ ls
sss.txt

joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities/jovenproject
$ rm sss.txt

joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities/jovenproject
$ ls

joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/WD37Activities/jovenproject
$ |
```

## 12. rm(remove)

To delete existing file

```
joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/wD37Activities
$ touch hello.txt

joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/wD37Activities
$ ls
'Flappy Coin Hands On/'  'Handson1/'  'Zip folder/'  hello.txt  jovenproject/

joven@DESKTOP-QIUQ5VQ MINGW64 ~/Desktop/wD37Activities
$
```

## Create new file from your current directory

You can use to clear all of codes displayed in git bash.

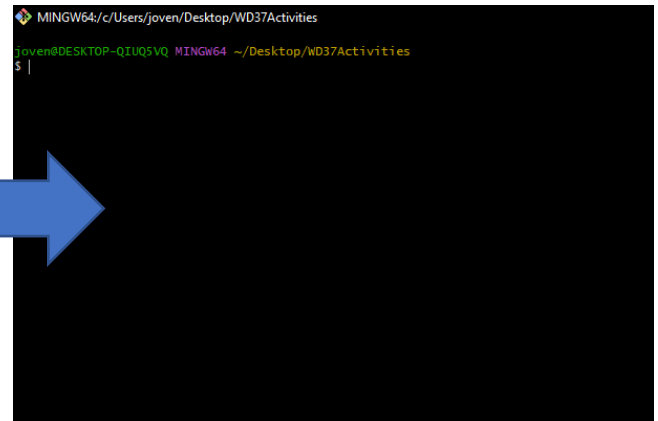


Image (19)

Use to see what are the commands that is working in git bash

```

MINGW64/c/Users/joven/Desktop/WD37Activities
$ cd Desktop/WD37Activities
$ help
GNU bash, version 5.1.16(1)-release (x86_64-pc-msys)
These shell commands are defined internally. Type 'help' to see this list.
Type 'help name' to find out more about the function 'name'.
Type 'info bash' to find out more about the shell in general.
Type 'man -k' or 'info' to find out more about commands not in this list.
A star (*) next to a name means that the command is disabled.

job_spec [s]
(( expression ))
filename [arguments]
.
.
.
arg... ]
[[ expression ]]
alias [-p] [name=value] ...
bg [job_spec ...]
bind [-lpsvSX] [-m keymap] [-f filename] [-q name] [-u name] [-r keyseq] [-x keyseq:shell-command] [keyseq:readline-function]
break [n]
builtin [shell-builtin [arg ...]]
caller [expr]
case WORD in [PATTERN] [PATTERN]... COMMANDS ;|)... esac
cd [-L|-P [-e]] [-@] [dir]
command [-pv] command [arg ...]
compgen [-abedgiksv] [-pr] [-DEI] [-o option] [-A action] [-G globpat] [-W wordlist] [-F function] [-C command] [-X filterpat] [-P prefix]
complete [-abedgiksv] [-pr] [-DEI] [-o option] [-A action] [-G globpat] [-W wordlist] [-F function] [-C command] [-X filter]
compsort [-o option] [-DEI] [name ...]
continue [n]
coproc [NAME] command [redirections]
declare [-aAfFgIlntux] [-p] [name=value] ...
dirs [-clw] [+N] [-N]
disown [-H] [-ar] [jobspec ... | pid ...]
echo [-ne] [arg ...]
enable [-a] [-disps] [-f filename] [name ...]
eval [arg ...]
exec [-cl] [-a name] [command [argument ...]] [redirection ...]
exit [n]
export [-fn] [name=value] ... | export -p
false
fc [-e name] [-lnr] [first] [last] or fc -s [pat=rep] [command]
fg [job_spec]
for NAME [in WORDS ... ] : do COMMANDS; done
for (( exp1; exp2; exp3 )) : do COMMANDS; done
function name { COMMANDS ; } or name O { COMMANDS ; }
getopts optstring name [arg ...]
hash [-tr] [-p pathname] [-dt] [name ...]
help [-dm] [pattern ...]

history [-c] [-d offset] [n] or history -amw [filename] or history -ps arg [arg...]
if COMMANDS; then COMMANDS; [ elif COMMANDS; then COMMANDS; ]... [ else COMMANDS; ] fi
jobs [-lnpr] [jobspec ...] or jobs -x command [args]
kill [-s sigspec | -n signal | -s sigspec] pid | jobspec ... or kill -l [sigspec]
let arg [arg ...]
local [option] name[=value] ...
logout [n]
mapfile [-d delim] [-n count] [-O origin] [-s count] [-t] [-u fd] [-c callback] [-c quantum] [array]
popd [-n] [+N | -N]
printf [-v var] format [arguments]
pushd [-n] [+N | -N | -] [dir]
pwd [-LW]
read [-ers] [-a array] [-d delim] [-i text] [-n nchars] [-N nchars] [-p prompt] [-t timeout] [-u fd] [name ...]
readarray [-d delim] [-n count] [-O origin] [-s count] [-t] [-u fd] [-c callback] [-c quantum] [array]
readonly [-aA] [name[=value] ...] or readonly -p
return [n]
select NAME [in WORDS ... ] : do COMMANDS; done
set [-abefHkmptuvxwBCHP] [-o option] [names] [--] [arg ...]
shift [n]
shopt [-psu] [-o] [optname ...]
source filename [arguments]
suspend [-F]
test [expr]
time [-p] pipeline
times
trap [-lp] [[arg] signal_spec ...]
true
type [-afptP] name [name ...]
typeset [-aAfFgIlntux] [-p] name[=value] ...
ulimit [-Sbdcflmptstv] [limit]
umask [-p] [-O] [mode]
unalias [-a] name [name ...]
unset [-f] [-v] [-n] [name ...]
until COMMANDS; do COMMANDS; done
variables = Names and meanings of some shell variables
wait [-fn] [-p var] [id ...]
while COMMANDS; do COMMANDS; done
{ COMMANDS ; }

$ cd Desktop/WD37Activities
$

```