Trash Script Demo

1. Removing <file> and creating <trash> directory.

```
vagrant@ubuntu2010:~$ cd .trash
-bash: cd: .trash: No such file or directory
vagrant@ubuntu2010:~$ touch file
vagrant@ubuntu2010:~$ ls
file  memory_script  reminder_script  trash_script
vagrant@ubuntu2010:~$ ./trash_script file
vagrant@ubuntu2010:~$ ls
memory_script  reminder_script  trash_script
vagrant@ubuntu2010:~$ cd .trash
vagrant@ubuntu2010:~/.trash$ ls
file-2021-03-11-04:54:07
vagrant@ubuntu2010:~/.trash$ 
```

2. Removing a directory

```
vagrant@ubuntu2010:~$ mkdir as1
vagrant@ubuntu2010:~$ ./trash_script -d as1
vagrant@ubuntu2010:~$ cd .trash
vagrant@ubuntu2010:~/.trash$ ls
as1-2021-03-11-04:59:43  as1-2021-03-11-05:00:17  file-2021-03-11-04:54:07
vagrant@ubuntu2010:~/.trash$ 
```

3. Print error message and exist if removing directory without [-d] option.

```
vagrant@ubuntu2010:~$ ls
memory_script  reminder_script  test2  trash_script
vagrant@ubuntu2010:~$ ./trash_script test2
Please use the [-d] option to delete a directory.
```

4. Print error message and exit if [-d] option is used to move non-directory / or option is wrong.

```
vagrant@ubuntu2010:~$ touch file
vagrant@ubuntu2010:~$ mkdir as1
vagrant@ubuntu2010:~$ ./trash_script -o as1
./trash_script: illegal option -- o
Usage: cmd [-d]
vagrant@ubuntu2010:~$ ./trash_script -d file
file is not a directory
```

5. Creating an alias and running the demo again.

```
vagrant@ubuntu2010:~$ vim .bashrc
```

```
# some more ls aliases
alias ll='ls -alF'
alias la='ls -A'
alias l='ls -CF'
alias rm='./trash_script'
alias c='clear'
```

```
vagrant@ubuntu2010:~$ touch file
vagrant@ubuntu2010:~$ ls
file  memory_script  reminder_script  test  trash_script
vagrant@ubuntu2010:~$ rm file
vagrant@ubuntu2010:~$ rm -d test
vagrant@ubuntu2010:~$ touch file
vagrant@ubuntu2010:~$ rm -d file
file is not a directory
```

```
vagrant@ubuntu2010:~$ cd .trash
vagrant@ubuntu2010:~/.trash$ ls
file-2021-03-11-05:07:07  test-2021-03-11-05:07:15
```

Memory Usage Script

```
vagrant@ubuntu2010:~$ ./memory_script system
COMM                    RSS
systemd-journal         16.35 MB
systemd-resolve         13.09 MB
systemd                 12.85 MB
systemd                 9.84 MB
systemd-logind          7.95 MB
systemd-network         7.89 MB
systemd-udevd           5.30 MB
vagrant@ubuntu2010:~$ ./memory_script bash
COMM                    RSS
bash                    5.16 MB
vagrant@ubuntu2010:~$ ./memory_script nothing
No match is found.
```

Reminder Script

```
vagrant@ubuntu2010:~$ ./reminder_script -A "This is a new line"
vagrant@ubuntu2010:~$ ./reminder_script -O "This is the next line"
./reminder_script: illegal option -- O
Usage: cmd [-A]
vagrant@ubuntu2010:~$ ./reminder_script -A "This is the next line"
vagrant@ubuntu2010:~$ ./reminder_script
Here is all the reminders:
This is a new line
This is the next line
vagrant@ubuntu2010:~$ |
```

```
if [ -f "$HOME/reminder_script" ]; then
        $HOME/reminder_script
fi
```

```
PS C:\Users\Ingrida> vagrant ssh
Last login: Wed Mar 10 05:09:29 2021 from 10.0.2.2
Here is all the reminders:
This is a new line
This is the next line
```