Read me

17102062 – Lee Yong Hoon(이용훈)

# **Project Description**

Making simple shell using processBuilder in Java. In simple shell, terminal command ‘cd’, ‘ls’, ‘pwd’, ‘cat’, ‘ps’, ‘history’ should be executed without any error or generating exception.

# **SimpleShell.java execution way**

The environment of executing cod file is Ubuntu Linux.

In terminal, you should make class file and can execute.

$ javac SimpleShell.java

$ java SimpleShell

# **Usage**

1. cd

* type ‘cd’

Current directory change to /home/user/

Absolute path is working

* type ‘cd /home’

Current directory change to /home

* type ‘cd user’

Current directory change to sub directory folder named user

Relative path is working

* type ‘cd any existing folder’ or ‘cd ./any existing folder’

Current directory chang to current directory + input directory

* type ‘cd fakeDirectory’

Print error message that path is invalid

1. History

* type ‘history’

Print all history of commands

* type ‘history <number>’

Print the number of recently commandstype ‘history !!’

Run the previous command in the history

* type ‘history !<number>’

Run the <number> index command in the history

1. Other Shell command

* type ‘ls’, ‘pwd’, ‘cat test.txt’

command execute

# **Error and exception handling**

1. In ‘cd directory’ command, if directory is not valid,

Print "Directory is not valid"

1. In ‘History !!’ command, if there is no command in history,

Print "There is no previous command"

1. In ‘History !<Integer>’ command, if there is no Integer type value in <Integer>

Print "Integer number is not valid"

1. In ‘cat’ command, if file is invalid,

Print "File is not valid"

1. If command is not valid,

Print "command is not valid"