```
jsh>ps
[ps]
    PID TTY          TIME CMD
   4534 ?        00:00:02 systemd
   4535 ?        00:00:00 (sd-pam)
   4541 ?        00:00:02 pulseaudio
   4543 ?        00:00:00 tracker-miner-f
   4545 ?        00:00:03 dbus-daemon
   4549 ?        00:00:00 gnome-keyring-d
   4554 ?        00:00:00 gvfsd
   4559 ?        00:00:00 gvfsd-fuse
   4562 ?        00:00:00 gvfs-udisks2-vo
   4589 ?        00:00:01 gvfs-afc-volume
   4594 ?        00:00:00 gvfs-goa-volume
   4598 ?        00:00:00 goa-daemon
   4610 ?        00:00:01 goa-identity-se
   4612 ?        00:00:00 gvfs-mtp-volume
   4620 ?        00:00:00 gvfs-gphoto2-vo
   4712 ?        00:00:00 ssh-agent
```

Ps case

```
  12070 ?        00:00:00 ps
jsh>ls
[ps, ls]
bin
src
```

ls case

Cat case & cd <directory> case

```
jsh>cd src
[cd src]
/home/lopah/eclipse-workspace/hwany/src
jsh>cat module-info.java
[cd src, cat module-info.java]
module hwany {
}
jsh>
```

Cd <directory>/<directory> case & pwd case

```
jsh>pwd
[pwd]
/home/lopah/eclipse-workspace/hwany
jsh>cd src/Day01
[pwd, cd src/Day01]
/home/lopah/eclipse-workspace/hwany/src/Day01
```

```
jsh>pwd
[pwd]
/home/lopah/eclipse-workspace/hwany
jsh>ls
[pwd, ls]
bin
src
jsh>cd ..
[pwd, ls, cd ..]
/home/lopah/eclipse-workspace
jsh>cd /hwany
[pwd, ls, cd .., cd /hwany]
/home/lopah/eclipse-workspace/hwany
jsh>history
[pwd, ls, cd .., cd /hwany, history]
0 pwd
1 ls
2 cd ..
3 cd /hwany
4 history
jsh>ls
[pwd, ls, cd .., cd /hwany, history, ls]
bin
src
jsh>history!!
bin
src
jsh>history!2
/home/lopah/eclipse-workspace
jsh>
```

Cd .. Case & cd /<directory> case & history cases

!!! At linux, history!! And history!<integer> are not included in the history. So I reject inserting them in the cmdlist. !!!

```
jsh>cd fakedirection
[pwd, ls, cd .., cd /hwany, history, ls, cd fakedirection]
fakedirection: No such file or directory
jsh>quit
Goodbye
```

**Cd <fakedirectory>'s error handling
case & quit case**

All case is working!