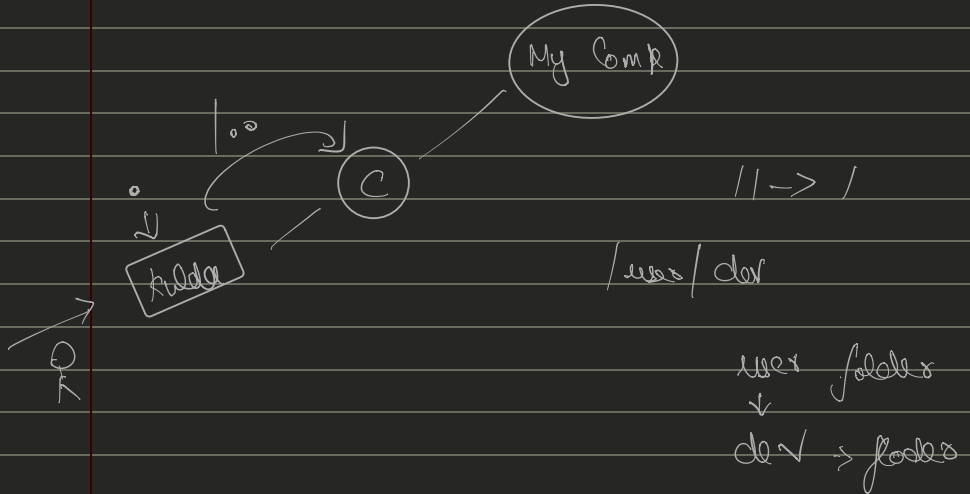


# Simplify Path ->



egs

a	.	b	..	..	c
---	---	---	----	----	---

a	.	b
---	---	---

home  $\xrightarrow{a}$  a  $\xrightarrow{.}$  a  $\xrightarrow{b}$  b  
 $\downarrow \text{..}$   
 a  
 $\downarrow \text{..}$   
 Simplified  $\leftarrow \text{ /c } \leftarrow \text{ /c } \leftarrow \text{ home}$

## Pushing & Popping directories name

- ① -> `..` Comes out from the current directory -> pop
- ② -> `/name` -> going into dir -> push

ex → /a/o/b/oo/oo/c/

(1) → /a → push

(2) → /o → do nothing

(3) → /b → push

(4) → /oo → pop

(5) → /oo → pop

(6) → /c → push

(7) → / → last ignore

/c  
/b  
/a