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pipe (related process communication)

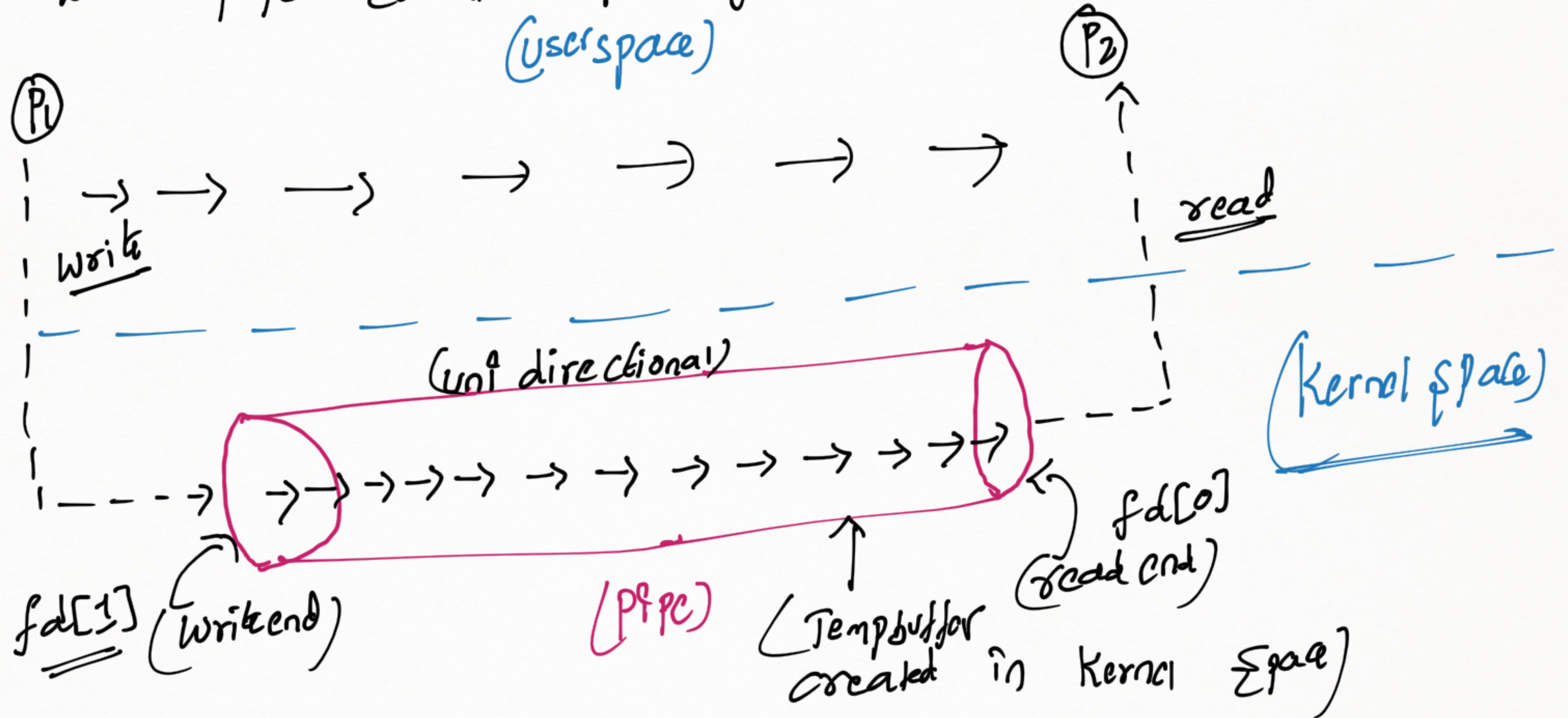
- pipe is one of the IPC
- all IPC mechanisms are under the control of kernel
- operations on pipe are
 - create the pipe ✓
 - read the data
 - write the data

How to create pipe : using pipe system call

when pipe created two file descriptors associated ~~with~~ after pipe

for fd[2]
pipe(fd)

(User space)



→ In any process (parent/child) reading from empty pipe process got blocked similarly if any process trying to write into full pipe (pipe full with data) process got blocked

→ WAP to implement the following operation?

parent process takes the input from the user and write into pipe, after that child process will read data from the pipe and converts each character into its opposite case and write back into pipe, then parent process reads the data from the pipe and display on screen

