



- · Process Control -> Execute g about, For k, wait allocate etc.

 · Communication -> pipe(), (reate/Delete,
- Fork() To create a child process.

 It will create a child process
 having the copy of parent process with
 a different pid.

Forker

Child Parent Child

lene main() {
fork();

pf ("hello");

hello hello.

lexe main() {

fork();

fork();

fork();

C2

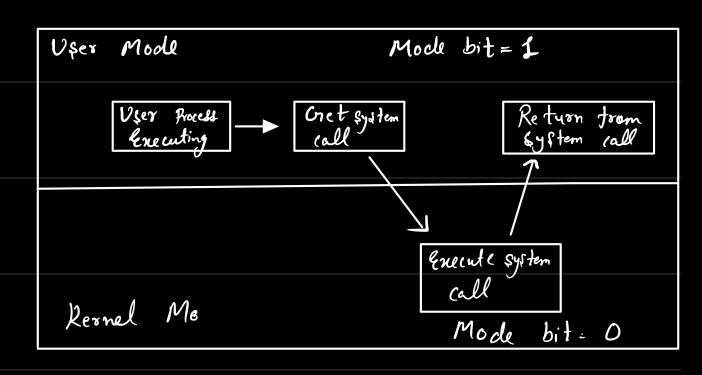
C1

C2

Total child = 2n-1

{ if (for k() && for k()) tork(); Ptve pf ("Hello"); suturn talk luturn 0; Hello Q Use 11 instead of &&

· "User Mode" V\$ "Kernel Mode"



1) System calls involved in process.

27 05 treats diff. processes differently

3> Diff process have diff copies of Data, files, Code

4) Content switching is Slower

5) Blocking a process will not block another

6) Inclependent

Stack
Register

fork()

Cocle

Data/files

Stack

Register

Register

Data/files

1) There is no system call involved (User Ivl thread)

2> All user level threads treated as single task for OS.

3) Threads Share Some copy of code & data

4> Content switching is faster

5) Blocking a thread will block entire process

6> Interclipendent.

\$tack | Stack
Register

Cooll