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* System calls in OS.

- Apps interact with kernel → using "System calls." (implemented in C).

- Mkdir :-

- Mkdir indirectly calls kernel and asked t file management Module to ~~asked~~ create a new directory.

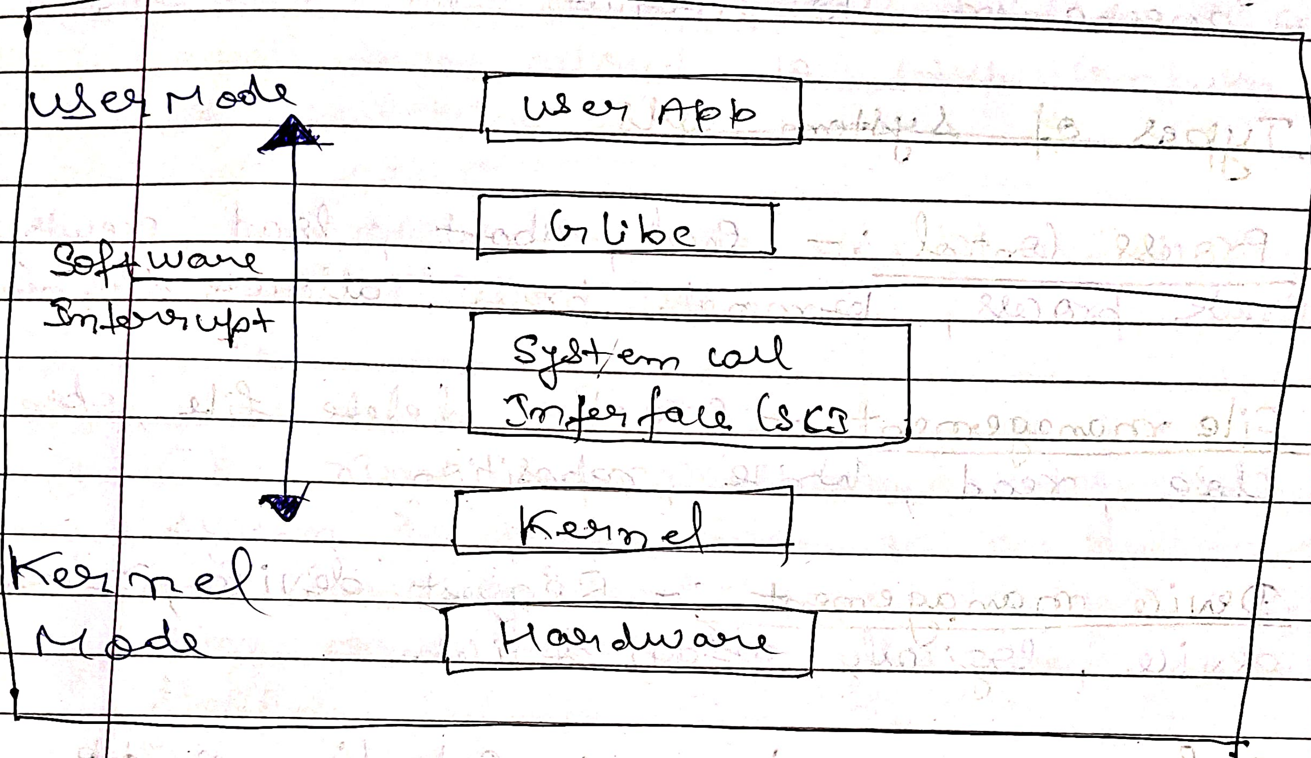
- Mkdir is just a wrapper of actual system calls.

- Mkdir interacts with kernel using System calls.

- creating a process

- User executes a process. (user space).

- Get system call. (US { user space})
- Execute system call to create a process. (KS)
- Return to US.



* Over all process :- let's assume we have to create an folder "A" we use CLI comman "MKdir A".

- After pressing enter, user app calls the GLIBC (an C library) which is used to make an System call, there goes an Software interrupt that we need to change the mode from user space to Kernel mode.

- Now System call Interface will find the implementation regarding the Mkdir (which is written in C) and give them Kernel to make an folder in disk.

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- After that we retrace backward and the folder is being displayed in the user space.

- System call

A mechanism to interact with the kernel.

* Types of System calls

① Process Control :- end, abort, load, execute, create process, terminate process, allocate & free memo

② File management :- Create, delete file, open, close, read, write, reposition.

③ Device management :- Request device, release device, logically attach devices.

④ Information maintenance :- get time or date, set time or date, get process, file, or device attributes.

⑤ Communication Management :- Create, delete communication connection, attach and detach remote devices.