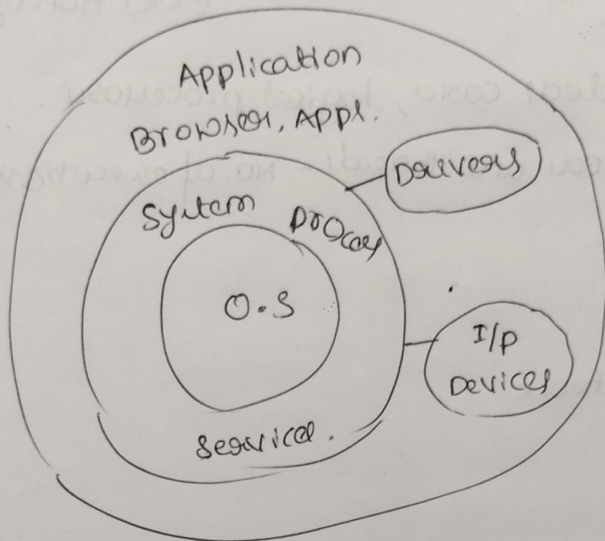# Operating System

O.S Examples —
- phone - Andriod, Mac, iOS
- laptop/pc - window, linux

* O.S is core of system.

* O.S Algorithm example - Round Robin Alg.

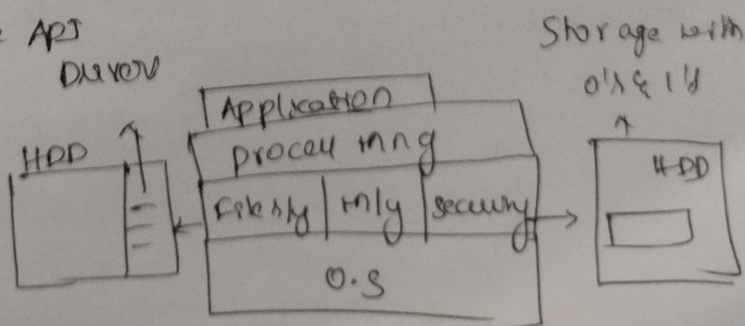* Boot loader (≥ 512 byte) program is stored in secondary storage in 1st sector initially before turn on the system, when system is turn on this program then loaded onto RAM and execute -d o.s requirement files and other hardware components initialization

* Linux and Andriod are open source O.S

* Windows and Apple o.s's are propriotry system which are not available on internet.

* O.S APIs —
- public API
- parvate API

Driver

Storage with o/s file

*API are the function which can be accessible by anyone

System and its components

* Task manager is one of the Application owned by Microsoft

processors - Its includes usage of CPU, Memory, Disk
and Network when it use during
execution of process

Task manager -

i) CPU - It include core, logical processors.
  └→ processors and threads - No. of executions

ii) Memory

iii) Disk

iv) Ethernet ⎫
            ⎬ — Network
v) Wi-Fi   ⎭

* Performance.

* services - Network server, file system services, Security services

Device manager - It contains list of i/o systems
  └→ Examples ⎡ Audio i/o.
             ⎢ Battery.
             ⎢ Biometrics
             ⎢ camera
             ⎢ Disk Drivers
             ⎣ processor.