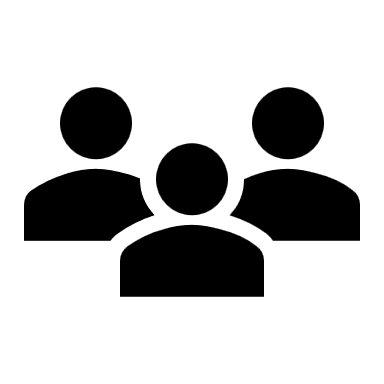
**Operating System?**

* Operating System (OS) is a software that acts as a interface between Computer hardware and user

Operating System



**Users Hardware Component**

* Every computer must have at least one operating system to run other programs.
* Operating System providing platform/environment to run our applications.
  + Examples: Browsers, Notepad, MS-Paint, Calculator etc.
* Operating Systems help us to communicate with computers without knowing how to speak computer language.

Note: we cannot use a computer without having an operating system.

**History Operating System:**

* Operating systems developed In 1950’s.
* General Motors Research Lab implemented the first Operating System in the early 1950 for their IBM 701
* In the mid of 1960’s, the version of the UNIX Operating System developed.
* The first operating system developed by Microsoft is MS DOS (1981)
* In 1985 operating system released with GUI (Graphical Based Interface)

**General Use:**

* We are using Windows operating system in our computers/laptops.
* Windows operating system is recommended for personal usage.
* Windows is a single user-based operating system.
* Windows is commercially available software.

A computer screen with black text

Description automatically generated

* In real time environments, we will use LINUX operating systems to run our applications.
  + Linux is Free & Open Source.
  + Linux is Multiuser Based Operating System
  + Linux is a Highly Secured Operating System.

A computer screen with arrows pointing to the screen

Description automatically generated

* Multiple users can connect to linux machine at a time that’s the reason we called it as multi user based operating system.

Activities performed by various members of the IT:

* Cloud Engineers will setup Linux Machines in Cloud.
* DevOps Engineers will deploy our applications in the servers which are running in Linux Operating System.
* Developers will connect to Linux Machine to check server/application logs.