

## Linux

- Family of open source Unix-like operating systems, typically packaged into a distribution

## open-source

- Concept of making source codes available for public use or modification from its original design

## Distributions

- Kernel
- Supporting software and libraries
- configuration files

## Kernel

- low-level computer program which functions as the bridge between the user and the computer's resource
- Different distros have different scripts and utilities to launch programs

## Release Schedule

- distro life cycle that specifies when new versions released to the public

### - Rolling release

- updates occur in an-going way

## Embedded System

- Controller with a dedicated function within a larger mechanical or electrical system

## Hardware compatibility list (HCL)

- Lists tested, compatible, and sometimes incompatible hardware devices for a particular distribution

## minimum requirements

- lowest possible hardware specification that your computer should have in order to boot successfully and use with basic functionality

## recommended requirements

- Hardware that one should have in order to fully maximize a system's potential

## preemptive multitasking

- task in which a computer OS uses some criterion to decide how long to allocate to any one task before giving another task a turn to use the OS