

02. Introduction

04. Linux, GNU, Kernels, Oh My!

05. Explaining Terminals, Shells & Bash

04. Linux, GNU, Kernels, Oh My!

GNU	KERNEL	LINUX
The operating system included everything useful that normally comes with a Unix system so that one could get along without any software that is not free.	Part of an OS that facilitates interactions between hardware and software.	Linux is the kernel created by Linus Torvalds and all the software that is part of its ecosystem. People might call it GNU/LINUX
GNU was integrated with the kernel to create a full operating system	It is a core of OS but not an OS (<i>like an engine and a car</i>). It manages tasks like memory management, task scheduling, managing hardware	There are a lot of Linux distributions, we use ubuntu in the course.

05. Explaining Terminals, Shells & Bash

Shell	Terminal	Bash
It's named shell because it's the outer layer around the OS.	A terminal is a program that runs a shell.	Bash is the default shell program for most the Linux-based systems
It takes our commands and gives	Basic	Bash is a type of shell

them to the operating system to perform.	overview: Terminal ⇒ Shell ⇒ OS	being used.
It is a computer interface to an operating system. It exposes the OS's services to human users or other programs		There are many shells among with bash runs on most Unix and Unix-like systems