BASH

What is Bash

A kernel (whether it's Linux, BSD, Mach, or NT) maintains all the physical hardware and enables each component to talk with one another and be orchestrated by some basic software. So, how to give instructions to computer to do something. A shell outside kernel or around kernel serves this task. Bash is one of the most popular, the most powerful, and the most friendly.

Bash is an application

When you start terminal running Bash shell, a prompt symbol usually dollar sign($) waits for your input and command. Bash is just an application, and its primary job is to run *other* applications (in the form of commands) that are installed on the same system.

How to install Bash

First update your system and then install Bash. Commands for same is:

```
sudo apt update
sudo apt install bash
```

Linux Commands in Bash

Most commands are stored by default in system directories like **/usr/bin** and **/bin.** By nature, Bash doesn't know these commands but can look up commands. When you issue a command to Bash, it searches specific directories on your system to see whether such a command exists. If the command does exist, then Bash executes it.

Bash Scripting

Bash is scriptable that is you can list commands in a text file and have bash run on it. Bash will execute all commands line by line. This is one of the reasons for the popularity of bash.

References

- ❖ **https://opensource.com/resources/what-bash**
- ❖ **https://www.howtoinstall.me/ubuntu/18-04/bash/**