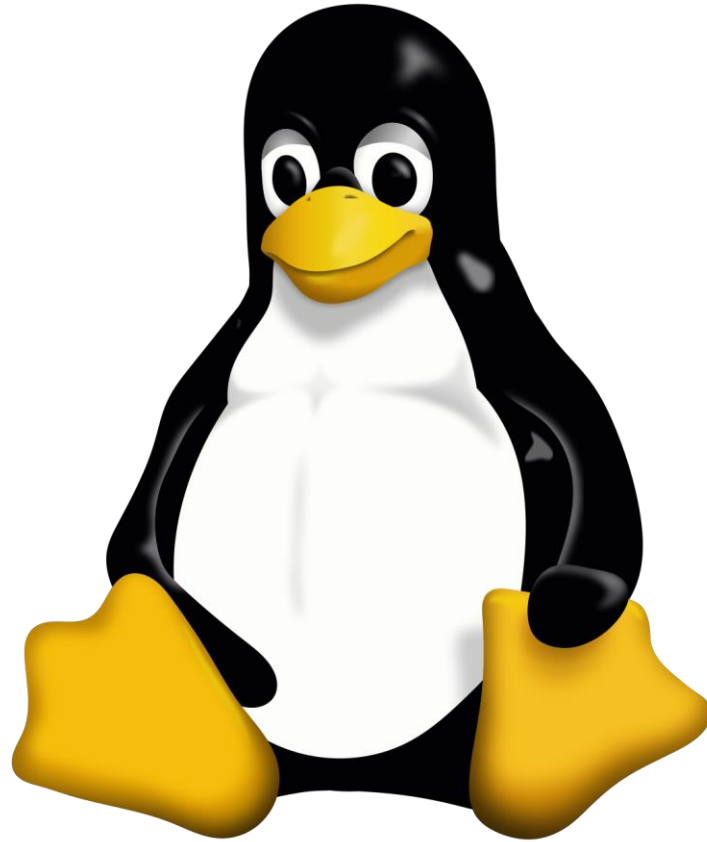# Linux Primer
# More about Linux 200

AL NAFI,
A company with a focus on education,
wellbeing and renewable energy.

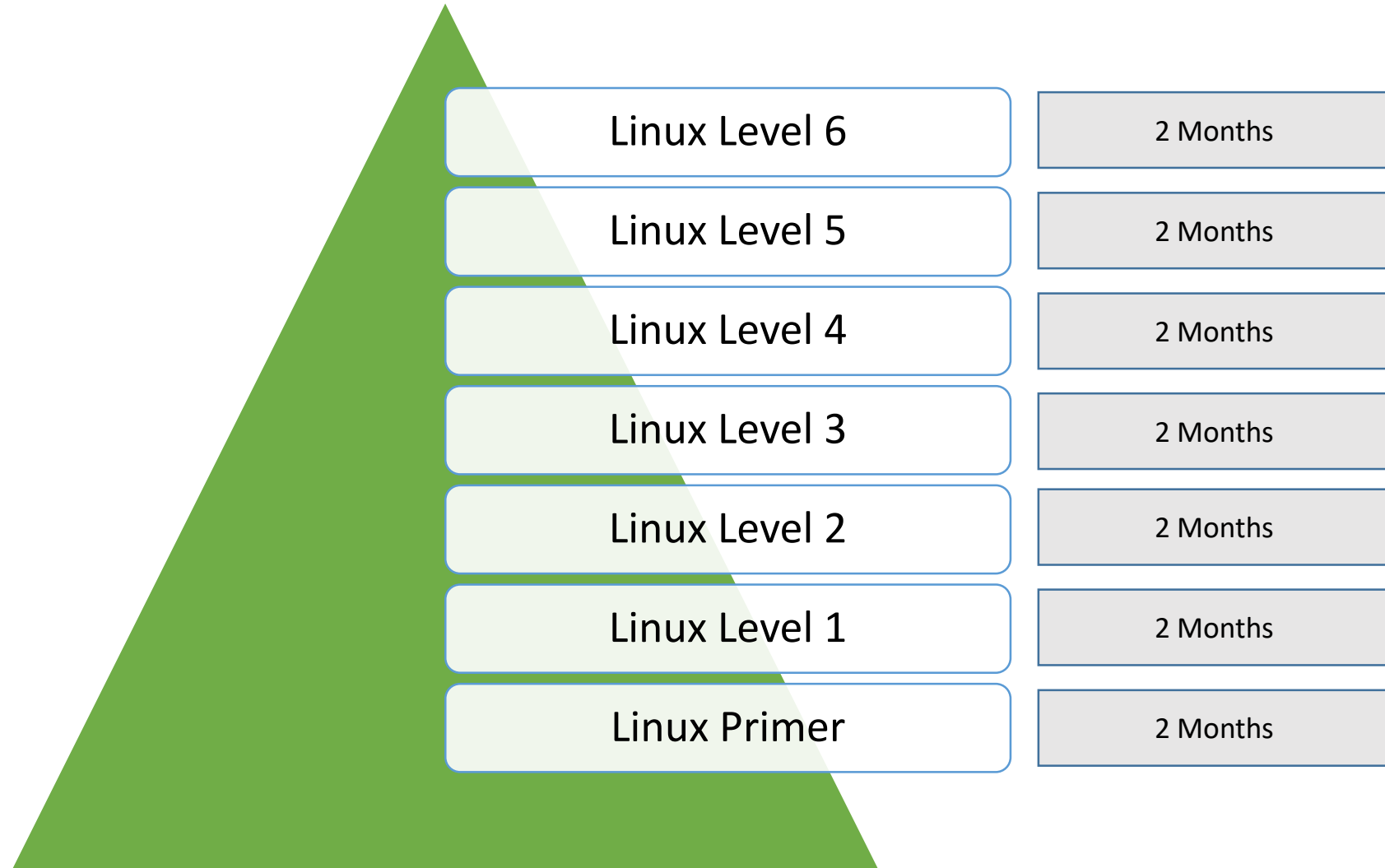# Umar Ibn Abdul Azeez The just Caliph

# Who was Umar Ibn Abdul Azeez

- A commentary on Uman Ibn Abdul Azeez (May Allah have mercy on him)

# How Nafi Members Study!

1.  Please subscribe to our YouTube channel
    https://www.youtube.com/channel/UC2yAW4Oq27r1yuRE8ePKRvA

2.  Follow us on Facebook https://www.facebook.com/info.alnafi/

3.  Follow us on Twitter https://twitter.com/nafiPakistan

4.  Join the Al Nafi Official Group https://www.facebook.com/groups/alnafi/ (This group is only for members to ask questions)

5.  All Nafi members MUST study on the portal https://alnafi.com/login/ and connect using your Nafi member username and password.

6.  Once on the portal they can follow their classes by:
    - watching videos
    - attempting quizzes and flash cards
    - studying official Nafi notes
    - keep track of their studies long with many more features

# Why 7 Levels of Linux?

| | |
|---|---|
| Linux Level 6 | 2 Months |
| Linux Level 5 | 2 Months |
| Linux Level 4 | 2 Months |
| Linux Level 3 | 2 Months |
| Linux Level 2 | 2 Months |
| Linux Level 1 | 2 Months |
| Linux Primer | 2 Months |

# So how to take Linux through Al Nafi

Each level will be of around 2 months.

10-20 minutes of video a day. Videos released 4-5 days a week.

Anyone from grade 6 and up can/should take the course.

Practice on a daily basis and keep your main OS as Linux Distro.

Be ready for the future jobs inshAllah.

# What is covered in Linux Level 1



006 Use root account with su and sudo

007 change permission and ownership of files and directories

008 Create and edit text files from the command line without GUI

009 Diagnose network connectivity in Linux

010 Other misc topics

**Linux Primer**

001 Copy, move and delete files and directories

002 Create , delete, and manage users

003 Create, delete, and manage groups

004 Use virtual terminals

005 Use the bash shell

# So what is Linux

- You have heard Ubuntu Linux, Linux Mint, Ref Hat Linux.
- There is a huge list of Linux OS that call themselves "Linux" ☺

- The best place to check them all is http://distrowatch.org/

- Linux generally refers to a family of free operating system based on the Linux kernel (A kernel is the core component of a computer operating system)
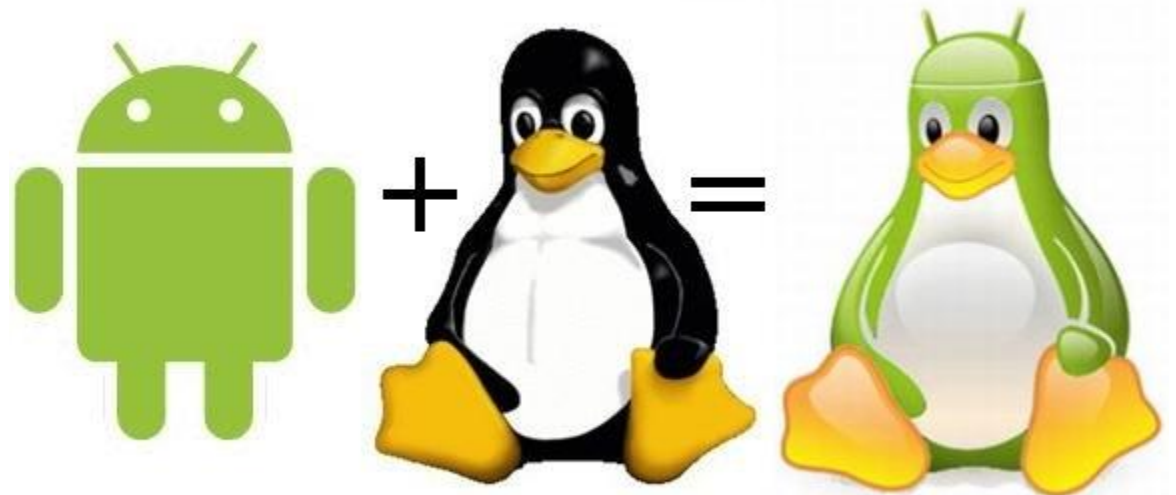
# Linux kernel ??

- A linux Kernel is freely available, both to download and modify, any OS system that runs off the Linux kernel can call itself a Linux OS.

- Since its free, the users have the right to modify as they please.

- Linux as shown in the previous lectures is used practically everywhere in the world ☺. From smart phones, PC's, embedded devices, IOT devices, networking switches, servers, pretty much anything you can think off ☺ is using Linux one way or the other.

- Even devices like amazon kindles, run on Linux.

# Smart phones and Linux

- Android is a mobile operating system developed by Google. It is based on a modified version of the Linux kernel and other open source software, and is designed primarily for touchscreen mobile devices such as smartphones and tablets.

# More on Distros

- Anyone can create a Linux Distro. But they have to be supported commercially or through a community of users who are willing to put their time and effort in developing, maintaining, and testing a given Linux version.

- Like Red Hat is a commercial version of Linux or SuSE linux

- Knoppix or Fedora, are free and community supported. Some like Ubuntu, fall in the middle and are offered free to the public while supported commercially by an organization.

# So what is command line

- Linux Primer or Linux Level 1 is all about command line!!
- Command line is shorthand for command line interface or CLI.
- Most modern computers use Graphical user interface or GUI
- The command line eschews graphical elements entirely.
- Users only see a prompt to launch programs. If GUI breaks, then CLI always works ☺ pretty much 99.99% of the time

# Linux Level Primer is all about what ?

- This level is all about Command Line Interface. And will give you all the basics you need to be proficient and effective in learning the ropes

# So this training is broken down into ?

- Concepts and commands.

- Concepts explains the underlying principles of Linux Commands.

- Commands explains how to deal with the concepts ☺

# Many distros of Linux

- Sometime one command may not work on another distro of linux. But fear not you will learn you way through inshAllah. This tends to happen only with more exotic or esoteric commands and utilities, but it does happen.

- You best source of help is the specific linux source documentation ☺ just like Quran and Hadiath is the original source of documentation for us. We will learn how to navigate that in the final lectures of this course.

# So buckle up now to learn Linux

# جَزَاكَ اللهُ

To ask questions, Join the Al Nafi Official Group

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(This group is only for members to ask questions)