SKILLSBUILD FOR COLLEGES

EDUNET FOUNDATION
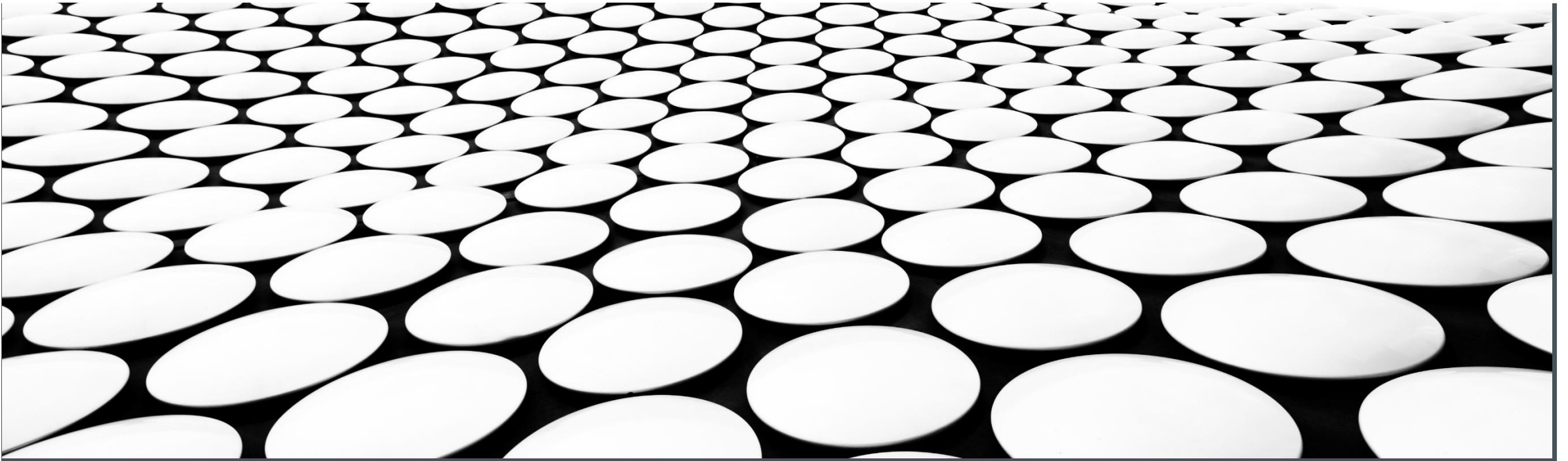

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APSSDC– EDUNET FOUNDATION

- **Future Skills Program**

- **Students Orientation Program**

  15th May 2024 – 17th May 2024

Edunet Foundation

Registered Trust
Recognized under sections 12AA and 80G of Income Tax Act.

GuideStar Verified
for transparency

Great Place To Work Certified

Special Consultative Status
with the United Nations

Goal
Creation of educational networks and sustainable communities

Focus
4th & 5th Industrial Revolution focused Employability and Entrepreneurship
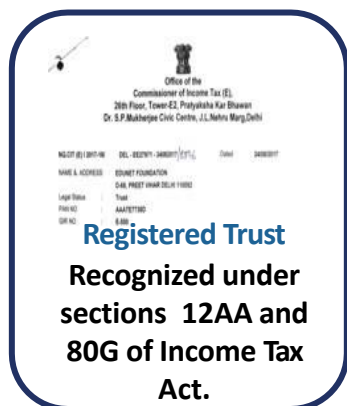
Audience
150,000+ learners in past 12 months from K-12 schools, ITIs and colleges

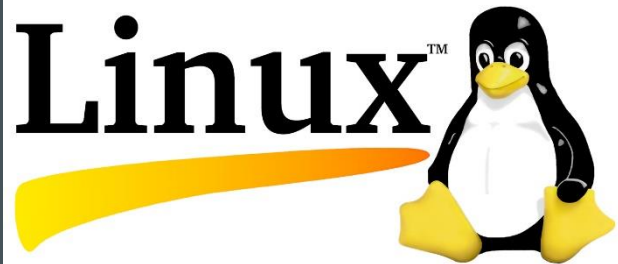More than **300,000+** Higher Education learners

National Footprint
Large pool of technical manpower on the ground: 70+ technical and soft-skills trainers

Over 250 active institution partnerships and access to tens of thousands of students
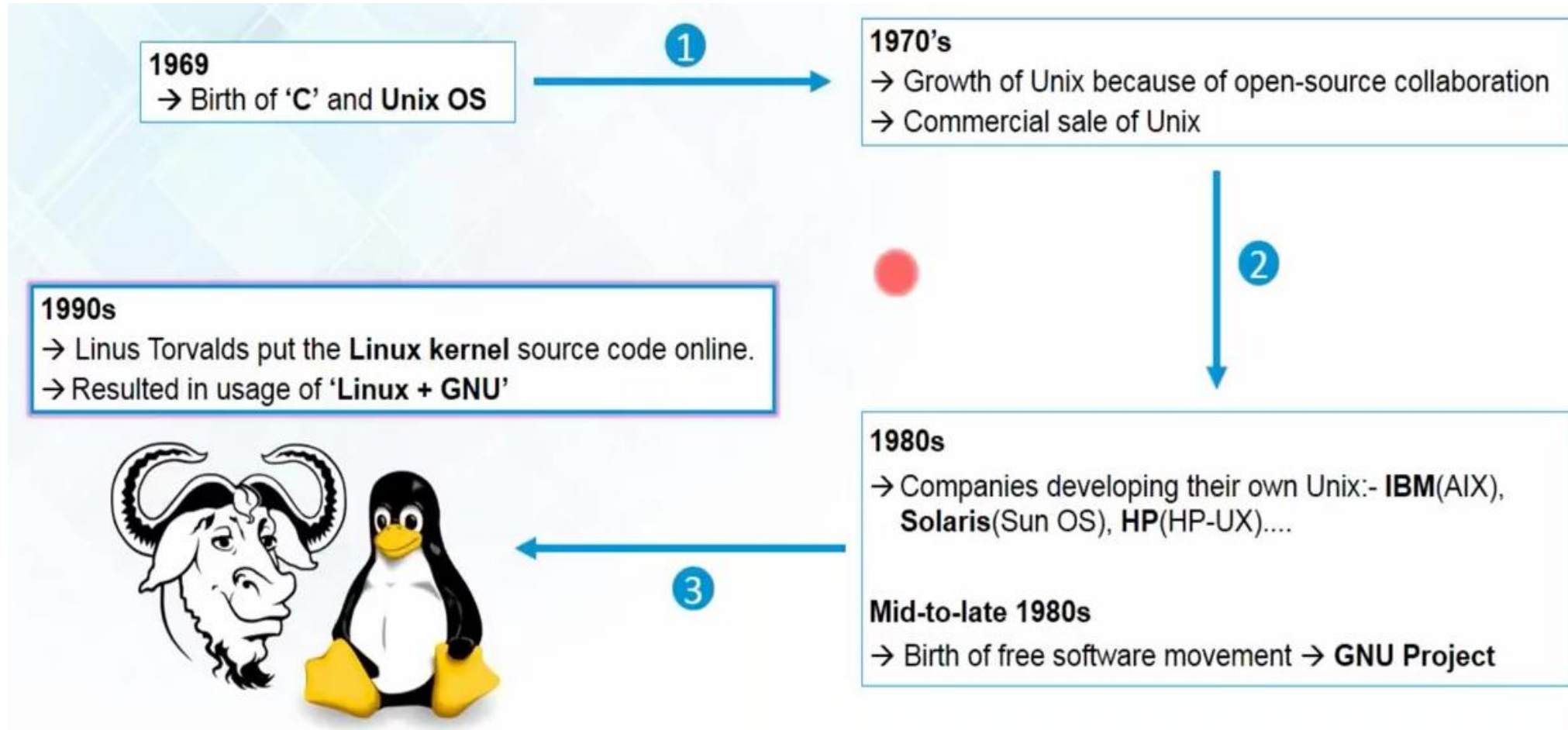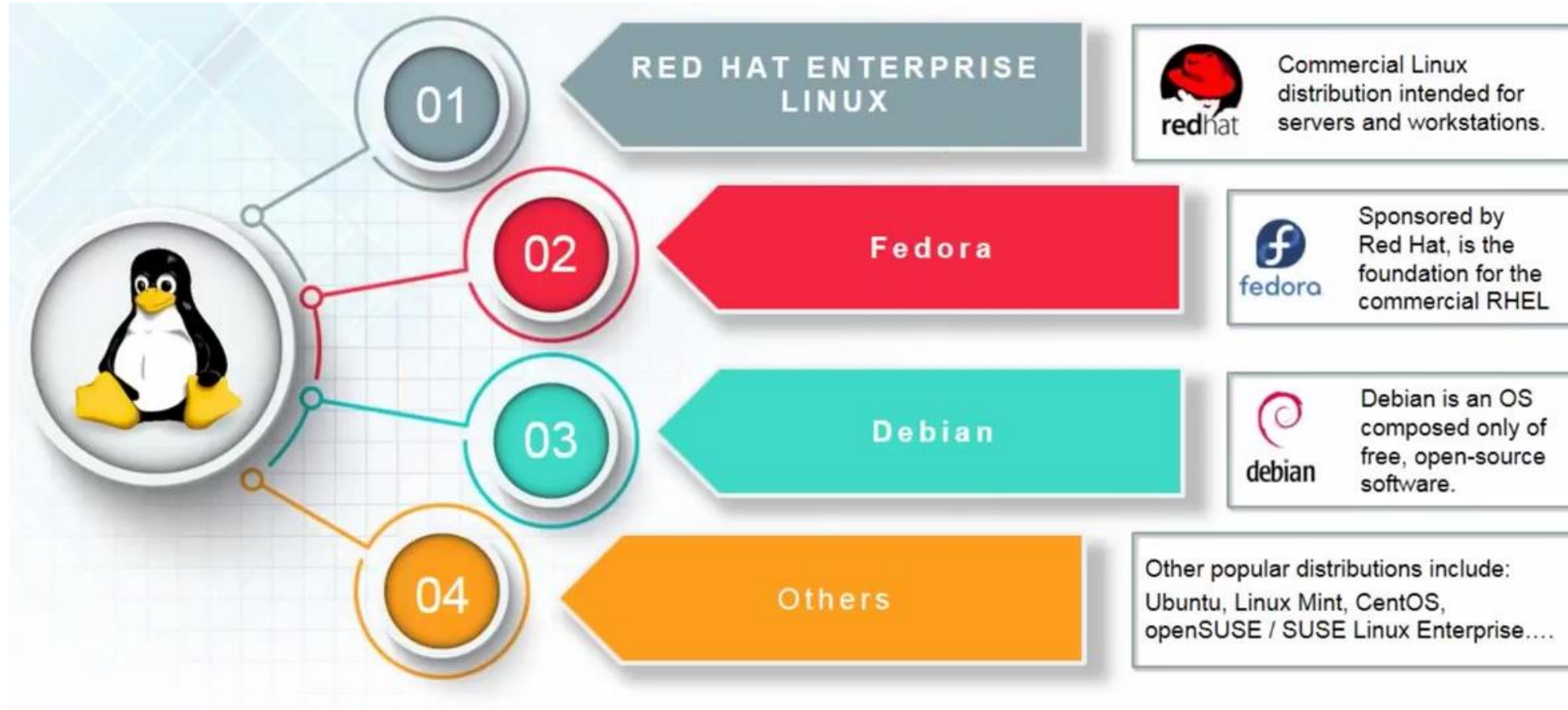
WHAT WILL YOU LEARN TODAY?

- Birth of Linux

- Various distributions of Linux

- Getting starts with Linux

- Introduction about virtual machine

- Basic Linux Comments

- Working files & Directories

- Adding deleting user
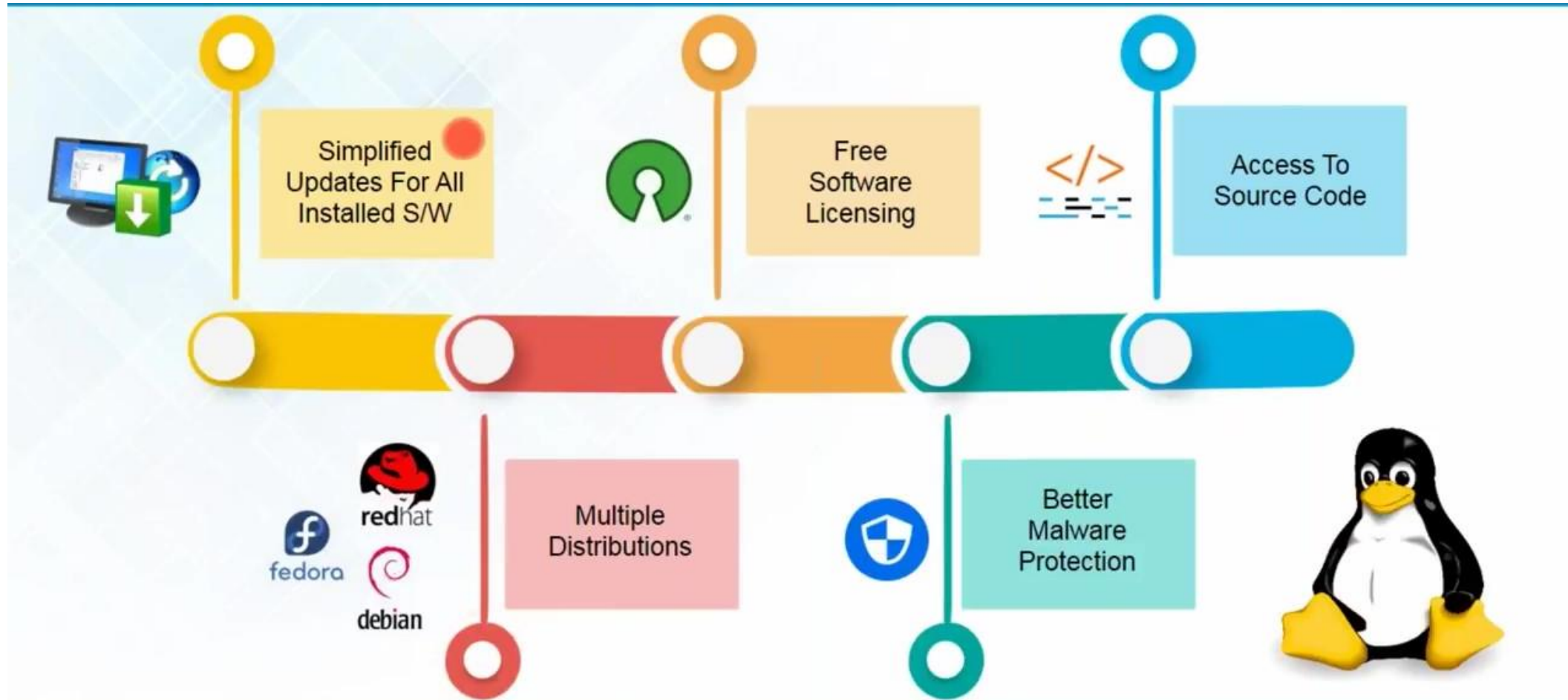
- Working with apache server

Birth of Linux

1969
→ Birth of 'C' and **Unix OS**

①

1970's
→ Growth of Unix because of open-source collaboration
→ Commercial sale of Unix

②

1990s
→ Linus Torvalds put the **Linux kernel** source code online.
→ Resulted in usage of '**Linux + GNU**'

1980s
→ Companies developing their own Unix:- **IBM**(AIX), **Solaris**(Sun OS), **HP**(HP-UX)....

Mid-to-late 1980s
→ Birth of free software movement → **GNU Project**

③

Linux Varies Distribution

Linux Features

Simplified Updates For All Installed S/W

Free Software Licensing

Access To Source Code

Multiple Distributions

Better Malware Protection

redhat
fedora
debian

Virtual Machines

Linux Installation

WORKING WITH DIRECTORY COMMAND USING TERMINAL (C – COMMAND LINE INTERFACE) (GUI)

➢ Commands | username: kali and pass : kali

➢ Cd (exit)

➢ Cd ..

➢ **cd [directory]**: Change the current directory to the specified directory.

➢ **cd - :** Switch to the previous working directory. This is useful for toggling between two directories.

➢ **cd ~ :** Change to the user's home directory.

➢ **cd / :** Change to the root directory.

➢ **cd .. :** Move up one directory in the directory.

➢ **cd ../.. :** Move up two directories in the directory.

➢ **cd /path/to/directory :** Change to an absolute path.

MAKE FOLDER & DELETE FOLDER

➤ Mkdir <folder_name> // This command using create folder

➤ Rmdir <folder_name> // Remove empty folder

➤ Rm –r <folder_name> //Remove with file folder

MAKE FILE

- Leafpad or mousepad,touch

- Leafpad <file_name.extention>

- Game.py,note.txt,..,

- Ex : leafpad

LIST COMMAND (LS)

➢ ls: Lists files and directories in the current directory in alphabetical order.

➢ ls *.etc | ls *.py: Incorrect syntax; attempts to list files with .etc extension and pass their output to list files with .py extension, which might not work as intended.

➢ ls -a: Lists all files (including hidden files starting with .) in the current directory.

➢ ls -laS: Lists detailed information for all files (including hidden ones), sorted by file size in descending order (largest to smallest).
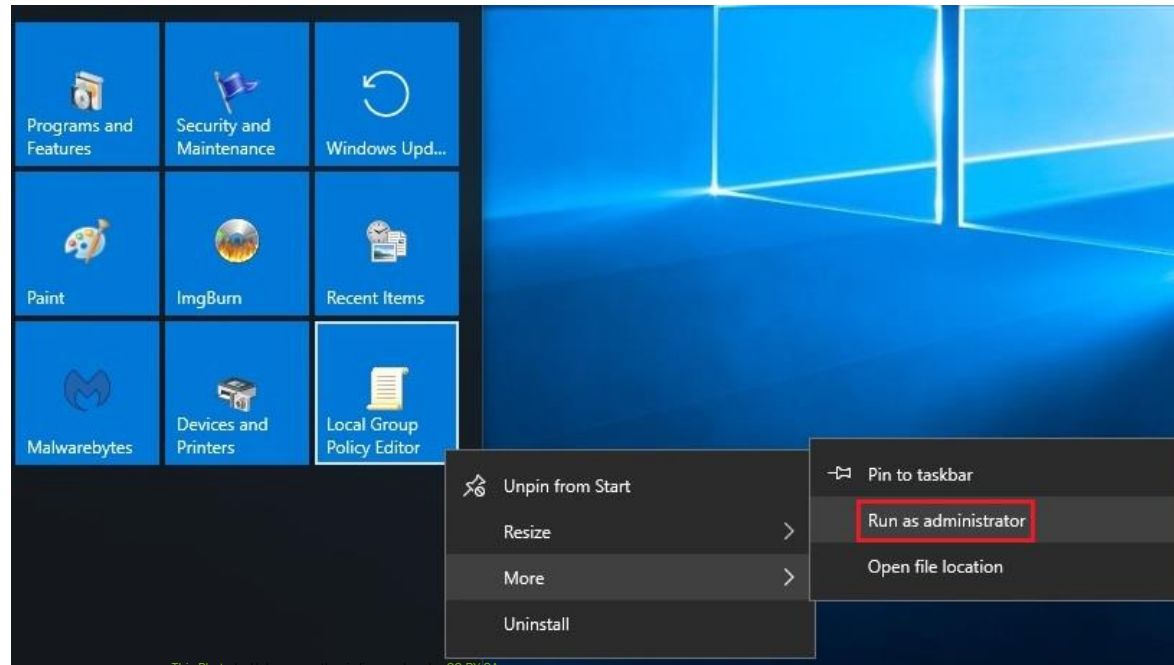

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FILE OPERATIONS

- Rm <file_name>

- Cat <file_name>

- Pwd //present working directory

- Cp <source(file)> <destination(path)> | copy , paste

- Mv <source> <destination> | cut,paste
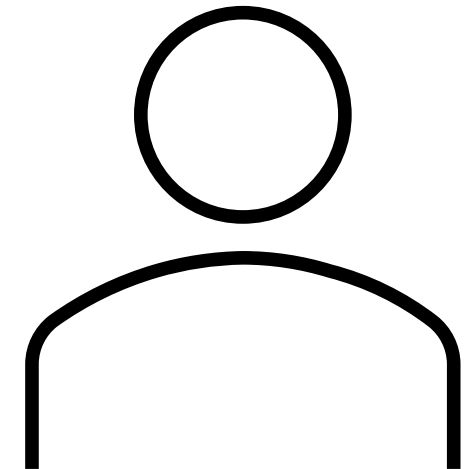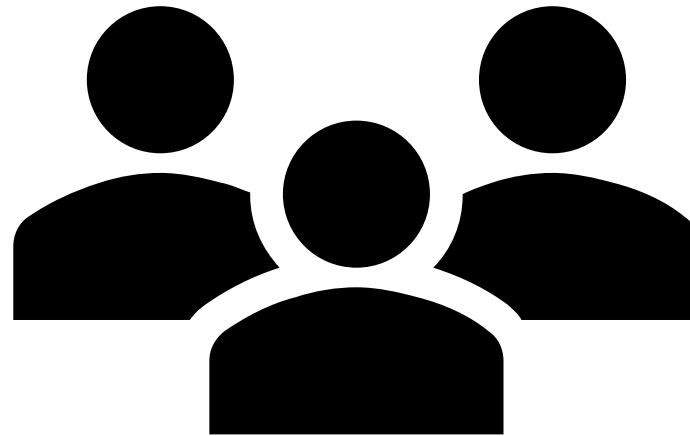
ROOT ACCESS CMD

➢ Sudo su // root access || sudo -i

GREP CMD & ECHO CMD

- grep -i est cars.txt

- Echo cmd

-     x=10

-      echo $x

ADD USER DELETE USER

- Sudo adduser username

- Sudo deluser username

- Shift user

- su username

- passwd

- exit

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NETWORKING COMMANDS

- 1. `**Ping**`: Checks the connectivity between two networked devices by sending packets to a specific destination and waiting for a response.

-

- 2. `**Nslookup**`: A tool used to query DNS servers for domain name or IP address information.

- 3. `**Ifconfig**`: Displays network interface configuration information on Unix-like operating systems (commonly used in Linux), showing details like IP addresses, network masks, etc.
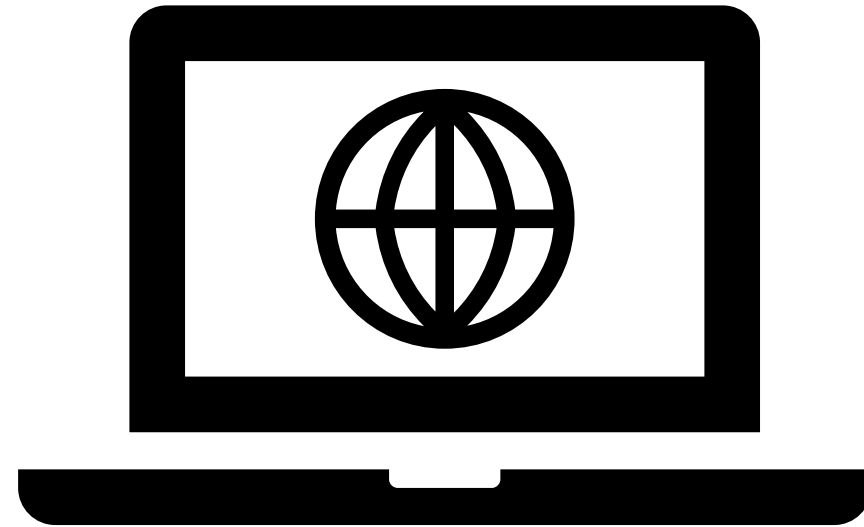
WORKING WITH APACHE SERVER

- Service apache2 start

- Serivice apache2 status

- Service apache2 stop

HOSTING WEBPAGE

- Hosting webpage using Apache server

- Service apache2 start

- Visit Path /var/www/html

- Add index.html file include basic html tag

- Open terminal type ifconfig get local ip

- Put that local ip into firefox

PROJECT WORK

https://github.com/ashrafshaik7/
keylogger.git