**Linux**

**Topic A: Productivity and Application Software**

* **Productivity Applications**
  + Includes basic programs for slides, typing etc
  + Has additional applications like VLC player, paint, firefox and audacity; other computer softwares may not include these extra applications
  + Applications may be different compared to mac or windows but they do the same job at the end

**Topic B: Entertainment and Media Software**

* **Entertainment and Media Applications**
  + Firefox depending on the use
  + Audacity
  + VLC player
  + Spotify
  + Kodi (home theater software)
  + Entertainment applications are different depending on what applications are available to download

**Topic C: Programming Tools and Environment**

* **Programming Applications**
  + Eclipse
  + Bluefish
  + Kdevelop
  + Programming tools are different compared to mac and windows because the software is different for all 3 operating systems. One brands programming tools may be better than the other.

**Topic D: System Tools**

* NMON (displays the systems performance information)
* Ncdu (analyzes how much disk space is used up and by what)

**Topic E: Software Security and Updates**

* **Security Tools**
  + Firewall:Gufw
  + Password Manager: Keypass and KeypassXC
  + Malware Scanner: ClamAV
  + Most of the security tools and updates are completely different because the softwares are different. For Linux, you can download virus scanners and password protections while for Mac or Windows you may have to buy symantec or norton virus protection
  + Software is different because each brand is focused on updating their software to make it better. Mac won’t have an update to change its look exactly like Windows because they have different softwares and operating systems to upgrade.

**Topic F: File System and User Accounts**

* **File Systems**
  + /= root
    - Every file starts from root
  + /etc= configuration files
    - Contains required configuration files
    - Also contains startup and shutdown configurations
  + /dev= device files
    - Contains device files
    - Includes terminal devices like usb

**Topic G: Special Features of OS**

* Multiplatform
* Multiple users
* Strong security
* Virtual memory
* Wide hardware support

**Topic H: Limitations of OS**

* Money is needed to purchase most of the applications
* While Mac and Windows have multiple different versions, Linux only has one

<https://www.techradar.com/news/best-linux-apps>

<https://www.tecmint.com/best-media-server-software-for-linux/>

<https://www.techrepublic.com/blog/10-things/10-linux-and-open-source-developer-tools-you-should-not-overlook/>

<https://www.thegeekstuff.com/2010/09/linux-file-system-structure>

<https://www.quora.com/What-are-the-some-features-of-linux>

<https://www.quora.com/What-are-the-limitations-of-Linux>

<http://linuxblog.darkduck.com/2011/11/disadvantages-of-using-linux.html>