Computer Systems
Linux I Activities

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1. Choose one option in each question:

   1.1. GNU/Linux:
      (a) comes from Unix and several projects
      (b) was an idea of Richard Stallman
      (c) is a mix of several projects.

   1.2. Linux:
      (a) is a family of operating systems
      (b) is an operating system and other distributions had nothing to do with it. For this reason, payment is necessary.
      (c) it is not an open source

   1.3. GNU project
      (a) is a movement in order to make money from Linux.
      (b) is freeware
      (c) is a movement in order to defend freedom of the user

   1.4. UNIX:
      (a) was a project of Richard Stallman
      (b) is the first operating system
      (c) was the first monotasking operating system.

   1.5. Linux Tovards:
      (a) had the intention of making a new collaborative operating system
      (b) was finding ways to improve UNIX in order to get a new multitasking operating system
      (c) didn't want to make a new operating system

2. What is the difference between open source and freeware?

3. Investigate about General Public License, Apache License and BSD License and explain the differences in forum.

4. Install Ubuntu-Mate in a virtual Machine with the following characteristics:

   - Investigate the necessary Ram size
   - Hard disk with 2 hard-disk: sda 15 GB and sdb 5 GB
   - Partitions:
     – Sda / with 7 GB
     – Swapping with hibernation
     – /home the rest of the hard disks.
     – /var in sdb, size: 3 GB
   - The user's login, which will be installed the operating system, will be 3 letters of your first name, 3 letters of your surname and password: P@ssw0rd.
   - **Take screenshots of the steps that you consider most important.**

5. Once the last virtual machine is installed:

- install the VLC media player with commands.

- install Chrome using synaptic

- install using the package: audacity or gimp

6. In a hard-disk, 6 partitions are needed in order to install Linux:

- /

- /home

- /var

- swap

- /etc

- /tmp

Tell how you would make the partitions, bearing in mind the kinds of partitions that we can use.