

PRACTICAL 3: BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE

a) Describe Open-Source Software with Example.

Open Source Software is a software that is released under a license in which the copyright holder grants users the right to use, study, change, and distribute the software and its source code to anyone and for any purpose. Open source software may be developed in a collaborative public manner. Open source software is a prominent example of open collaboration, meaning any capable user is able to participate online in development. Example: VLC Media Player, Mozilla Firefox, jQuery, LibreOffice, Moodle, , Python, PHP, etc.

b) Describe Free Software with Example.

Free Software means software that respects user's freedom and community. Roughly, it means that the user have the freedom to run, copy, distribute, study, change and improve the software. Thus, free software is a matter of liberty, not price; all users are legally free to do what they want with their copies of free software regardless of how much is paid to obtain the program. Example: Google Chrome, Skype, etc.

c) Difference between Free and Open-Source Software.

Free software	Open-source software
1. Free software is a social movement	1. Open source is a development methodology.
2. Freedom to run program for any purpose	2. It has distribution of license
3. Freedom to study about program	3. Availability of source code
4. Freedom to distribute copies of software	4. Free distribution
5. Freedom to modify /improve program and release improvements to public	5. Integrity of authors source code
6. Freely available but copyrighted	6. Freely available source also available (can be edited to make your own copyright)
7. User must have a license from vendor before install into computer	7. Users can install software freely into any computer
8. The purpose of free software is to give freedom to users	8. The purpose of open source software is to maintain the security.
9. Competitors have to build their versions from scratch	9. Merge your feature idea into the app in a given release cycle
10. Ex- VLC Media Player, Android, etc.	10. Ex- FireFox, MySQL, OpenOffice, Gimp