

**Basic understanding on free and open source software.**

- a. Open source software with example.

Open source software is a software with source code that anyone can see inspect, modify and enhance.

Open-source software are released under a license in which the copyright holder grants users the rights to use, study , change, and distribute the software.Examples:

Linux, LibreOffice, Mozilla Firefox etc.

- b. Free software with example.

Free software are also called libre software. This type of software are distributed under terms that allow users to run the software for any purpose as well as to study, change, and distribute it and any adapted version.

Free software simply means that users have the freedom to run, copy, distribute, study, change, and improve the software.

Examples: Apache, MySql etc.

## c. Difference between free and open-source software.

Free-source	Open-source
1. Software is an important part of people's lives.	1. Software is just software. there are no ethics associated directly to it.
2. Software freedom translates to social freedom.	2. Ethics are to be associated to people not to the software.
3. Freedom is a value that is more important than any economical advantage.	3. Freedom is not absolute concept. Freedom should be allowed, not imposed.
4. Free software means software that respects users freedom and community	4. Open source software is something which you can modify as per your needs.
5. In this users have the freedom to run, copy, distribute, study, change and improve the software	5. You can share this type of software with others without any license violation burden
6. Free software has nothing to do with price. It is about freedom.	6. Source code of software is available publicly with open source license like GNU.
7. Free software was first came before open software.	7. Open source software concept was introduce after free source software.
8. Free software is a social movement.	8. Open source is a development methodology.
9. Example: Linux Kernel, MySql.	9. Example: Apache http server etc.

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