

PRACTICAL 3

TITLE: BASIC UNDERSTANDING OF FREE AND OPEN-SOURCE SOFTWARE.

A) Describe Open-Source Software with Example.

Ans: Open source refers to an openly distributed program code (including codes that are free of charge) that can be utilized and modified by the end user without restriction. A good analogy would be that of a recipe. An open source recipe would be public: this means that anyone can know the ingredients and instructions, and even the recipe to improve the taste of the dish. If someone wants to know a recipe that isn't "open-source," they would have to pay a license to be able to use it. Furthermore, they wouldn't have permission to modify it, much less redistribute it. examples of open-source software is:

- Mozilla's Firefox web browser
- Thunderbird email client
- PHP scripting language

B) Describe Free Source Software with Example.

Ans: "Free software" means software that respects users' freedom and community. Roughly, it means that the users have the freedom to run, copy, distribute, study, change and improve the software. Thus, "free software" is a matter of liberty, not price. To understand the concept, you should think of "free" as in "free speech," not as in "free beer." We sometimes call it "libre software," borrowing the French or Spanish word for "free" as in freedom, to show we do not mean the software is gratis.

examples of free-source software is:

- Linux kernel
- BSD and linux operating system
- MySQL relational database

C) Difference between Free and Open-Source Software.

Ans:

Free Source Software	Open Source Software
1. In free source software don't need any source code	1. Software is Justice software . There are no ethics directly to it.
2. Free Source is open source software	2. Ethics are to be associated to the people not to the software
3. Free software doesn't allow the coder to have more control over program	3. Freedom is not an absolute concept freedom should be allowed not imposed
4. Freedom is a value that is more important than any economical advantage	4. Open source software can work with other proprietary software.
5. Example: The free software directory maintainer large database of free software packages. some of the best known examples include the Linux kernel , the MySQL relational database, the Apache web server, and send mail transport agent.	5. Examples: Prime example of open source product are the Apache HTTP server, the E commerce platform OS commerce, Internet browser and chromium and the full office suite libre office.