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IT TOOLS

Practical 3: Basic Understanding On Free And Open- Source Software

1. Describe open source software with example.

- Open source software is software with source code that anyone can inspect, modify, and enhance.
- Source code is the part of software that most computer users don't ever see; it's the code computer programmers can manipulate to change how a piece of software a "program" or "application" works.
- The term open source refers to something people can modify and share because its design is publicly accessible.
- Open-source software (OSS) is a type of computer software in which source code is released under a license in which the copyright holder grants users the rights to use, study, change, and distribute the software to anyone and for any purpose.
- Eg: Moodle (virtual learning system) Moodle is a Learning Platform or course management system (CMS) - a free Open Source software package designed to help educators create effective online education and easy to access for students.



2. Describe Free software with example

- It is a software that respects the user right , letting him/her to use the software according to their requirement
- The software is free as in freedom.
- The freedom to run the program as you wish, for any purpose

- The freedom to study how the program works, and change it so it does your computing as you wish
- The freedom to redistributed copies so you can help others
- Freedom to distribute copies of your modified version to others
- Eg: Linux, It is a free open source operating system, released under the GNU General Public License (GPL). Anyone can run, study, modify, and redistribute the source code, or even sell copies of their modified code, as long as they do so under the same license.



c) Difference between Free and Open source software.

FREE SOFTWARE	OPEN SOURCE SOFTWARE
Freedom to run program for any purpose	It has distribution of licence
Freedom to study about program	Availability of source code
Freedom to distribute copies of software	Free distribution
Freedom to modify improve program and release improvement to public	Integrity of Authors source code.