

Practical 3

IT-TOOLS

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BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE

a) Describe Open Source With Example.

A software for which the original source code is made freely available and may be redistributed and modified according to the requirement of the user. It 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.

Examples are:

- 1) Linux operating system
- 2) Android by Google
- 3) Open Office
- 4) Firefox Browser
- 5) VLC Media player
- 6) Moodle

b) Describe Free Software with Example

Free software is software that gives you the user the freedom to share, study and modify it. Roughly, it means that the users have the freedom to run, copy, distribute, study, change and improve the software.

Examples are:

- 1) The Linux Kernel
- 2) Apache – the most widely used web server in the world

c) Difference between free and open-source software

Free software is free of cost without source code. Open-source software is free of cost and with source code. Free software cannot be modified, whereas open-source software can be modified. Open Source allows the coder more control over his program compared to Free Software. Open-Source software can work with other proprietary(non-free) software, while Free Software does not allow the same.