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

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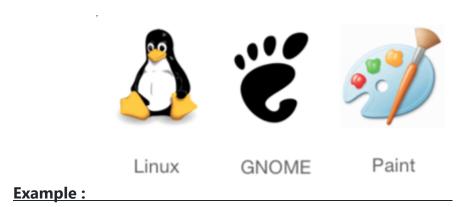
a) **Describe Open Source Software with Example.**

Open-source software 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. Open-source software may be developed in a collaborative public manner. Open-source software is a prominent example of open collaboration.

The term open source refers to something people can modify and share because its design is publicly accessible.

The term originated in the context of software development to designate a specific approach to creating computer programs. Today, however, "open source" designates a broader set of values—what we call "the open source way."

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

Linux   GNOME   Paint

Example :

b) **Describe Free Software with Example**

Free software is software that can be freely used, modified, and redistributed with only one restriction: any redistributed version of the software must be distributed with the original terms of free use, modification, and distribution..

Free software is a program used and distributed at no charge to the user. However, most free software licenses include terms prohibiting the sale, resale or commercial use.

Free software is often released for promotional purposes. For example, certain free software programs may require registration with an email address. The software owner collects these email addresses, which may be used to promote or sell other product

The concept of free software originally implied that when released the source code would be provided with permission to reuse the software within the public domain.

<u>Example :</u>

C)   Difference between Free and Open Source Software.

Free Source software	Open Source Software
1 Open source software refers to the computer software which source is open means the general public can access and use.	1 Closed source software refers to the computer software which source code is closes means public is not given access to the source code.
2 In short it is referred as OSS.	2 In short it is referred as CSS.
3 The source code of open source software is public.	3 In closed source software the source code is protected.
4 The price of open source software is very less and there is no so much restrictions on users based on usability and modification of software.	4 The price of closed source software is high and users need to have valid and authenticated license to use the software.
5 Some examples of open source	5 Some examples of closed source

| software are Firefox, OpenOffice, Gimp, Alfresco, Android, Zimbra, Thunderbird, MySQL, Mailman, Moodle, TeX, Samba, Perl, PHP, KDE etc. | software are Skype, Google earth, Java, Adobe Flash, Virtual Box, Adobe Reader, Microsoft office, Microsoft Windows, WinRAR, mac OS, Adobe Flash Player etc. |