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**ROLL NO: 23**

**FYCS**

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

- a) Describe Open Source Software with Example.

Answer:

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. Open-source software may be developed in a collaborative public manner.

Examples of open source software are:

1. Firefox
2. Open office
3. GIMP
4. MySQL

- b) Describe Free Software with Example

Answer:

“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.

Example of free software is **LINUX**

- c) Difference between Free and Open Source Software.

Answer:

**Free software:**

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.

The term “free software” is sometimes misunderstood—it has nothing to do with price. It is about freedom.

### **Open source software:**

Open Source Software is something which you can modify as per your needs, share with others without any licensing violation burden. When we say Open Source, source code of software is available publicly with Open Source licenses like GNU (GPL) which allows you to edit source code and distribute it. Read these licenses and you will realize that these licenses are created to help us.

Coined by the development environments around software produced by open collaboration of software developers on the internet.

Later specified by the Open Source Initiative (OSI).

It does not explicitly state ethical values, besides those directly associated to software development.