

Tuesday

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Page

Class: FYCS Subject: I.T. Tools.

Practical No: 3

Title:- Basic Understanding on free and Open-Source Software.

(a) Describe Open-Source Software with examples.

⇒ Open Source software is code that is designed to be publicly accessible - anyone can see, modify and distribute the code as they see fit. Open source software is developed in a decentralized and collaborative way, relying on peer review and community production. Open source software is often cheaper, more flexible and has more ~~cheaper~~ longevity than its proprietary peers because it is developed by communities rather than a single author or company.

Examples:- Firefox - a web browser that competes with Internet Explorer.

Open Office:- a competitor to Microsoft Office.

MySQL, Ingres and Enterprise DB - open source database software packages that each go head to head with commercial products from Oracle, Microsoft, Sybase and IBM.

I.T. Tools - Prac-3

(b) Describe Free software with examples.

→ The concept of free software is the brainchild of Richard Stallman, head of the GNU Project. The best known example of free software is Linux, an operating system that is proposed as an alternative to windows or other proprietary operating systems. Debian is an example of a distributor of a linux package.

(c) Difference between free and Open-Source Software.

Free Software	Open-Source Software
① Software is an important part of people's lives.	① Software is just software. There are no ethics associated directly to it.
② Software freedom translates to social freedom.	② Ethics are to be associated to the people not to the software.
③ Freedom is a value that is more important than any economical advantage.	③ Freedom is not an absolute concept. Freedom should be allowed, not imposed.
④ Ex:- linux kernel, BSD, Linux Operating System.	④ Ex:- Apache HTTP Server, Mozilla Firefox.