Title

IT Tools

Paragraph

Q-1. Differentiate between Open Source and Free Source.

OPEN SOURCE:

1. Software is just software. There are no ethics associated directly to it.

2. Ethics are to be associated to the people not to the software.

3. Freedom is not an absolute concept. Freedom should be allowed, not imposed.

4. Examples: Prime examples of open-source products are the Apache HTTP Server, the e-commerce platform osCommerce, internet browsers Mozilla Firefox and Chromium (the project where the vast majority of development of the freeware Google Chrome is done) and the full office suite LibreOffice.
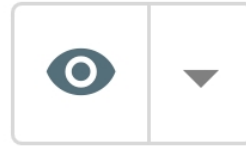
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FREE SOURCE :

1. Software is an important part of people's lives.

2. Software freedom translates to social freedom.

3. Freedom is a value that is more important than any economical advantage.

4. Examples: The Free Software Directory maintains a large database of free-software packages. Some of the best-known examples include the Linux kernel, the BSD and Linux operating systems, the GNU Compiler Collection and C library; the MySQL relational database; the Apache web server; and the Sendmail mail transport agent.

Paragraph

Q-2. Explain the significance of Green Computing.

Green computing is the environmentally responsible and eco-friendly use of computers and their resources.

In basic terms, Green Computing involves reducing the environmental impact of technology. That means using less energy, reducing waste and promoting sustainability.

Energy Savings. Apart from computers, there are different kinds of electrical appliances that consume significant amount of energy.

Examples include: Purchasing from Environmentally Committed Companies. Participating in Electronic Recycling Programs. Deploying Virtual Technologies. Limiting Printing and Recycling Paper.

Paragraph

Q-3. What is GitHub? Explain the advantages of using Github. Give steps of creating and cloning repository on Github.

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

GitHub is a website for developers and programmers to collaboratively work on code. The primary benefit of GitHub is its version control system, which allows for seamless collaboration without compromising the integrity of the original project. The projects on GitHub are examples of open-source software.

On GitHub.com, navigate to the main page of the repository.

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