IT Tools

Q.1. Differentiate between Open Source & free Source

Ans

Open Source	free Source
1] Software is just Software. There are no ethics associated directly to it.	Software is an important part of People's lives.
2] Ethics are to be associated to the people not to the Software	Software freedom translates to Social freedom.
3] Freedom is not an absolute concept Freedom should be allowed, not imposed	Freedom is a value that is more important than any economical advantage.
Eg. 4) The Open Software Directory maintains a large database of free-Software packages.	Linux operating Systems the GNU compiler collection and C.

Q.2. Explain the Significance of Green Computing

Ans Green computing is the environmentally responsible and eco-friendly use of computers and their resources Green computing involves reducing the environmental impact of technology. That means using less energy reducing waste and promoting Sustainability. It reduce the carban foot print generated by the information Technology and Systems business and related industries. Energy efficiency involves implementation of energy - efficiency central processing units (CPU's), Severs and peripherals as well as reduced resources consuption And e-waste is the proper disposal of electronic waste.

Q.3. what is GitHub ? Explain the advantage of using Git Hub Give Step of creating and cloning respository on Github.

Ans GitHub is a code hosting platform for version control and collabration. It let's you and others work together on projects from anywhere. This tutorial teaches you Github essentials like repositories, branches, commits, and pull requests.

* Creating a repository :-

Steps :-

1] In the upper - right corner of any page, use the + drop -down menu, and Select New repository.

2] In the Repository name box, enter hello - world.

3] In the Description box, write a short description.

4) Select Add a README file

5) Click create repository.

* Advantages of GitHub :-

1] GitHub is a website for developers and programmers to collaboratively work on code.

2) The primary benefit of GitHub is its version control System, which allows for Seamless collabration without compromising the integlity of the original project.

3) The project on GitHub are examples of open-Source Software.

4) Once you know the usage of gitHub repository you can go ahead and Start using it. It has the best interface to its concepts and is a Solid base to work from.

5) Github is the most preferred platform of developers.

Q.4. Differentiate between Tools and Technologies

Ans

Tools	Technologies
1) Tools are extensions of our hands. as Such as the hammers or Knives of traditional work. They reinforce ownership. craftmanship, Stewardship & professional identity.	Technologies are Systems imposed by the organization that often constrain. disempower and deperson depersonalize Knowledge work.
2) Tools can be anything digital or manual as well Eg.	Technologies is many Smaller tools, i.e. equiperts, Softwares, Smaller components.
3) It means, you are leveraging the potential of certain platforms, resources and database etc.	Technology is a phenomenon which is here to Stay.
4) Tools come in different Shapes and form. It is imperative that you get the hang to each one of them for Knowledge	There are incredible benefits and pivotal functional credibility associated with technological advancement.