

## PRACTICAL-6

Write a Blog:

The screenshot shows a mobile interface for a Blogger blog post. At the top, the status bar displays the time as 8:47 PM, a speed of 3.25K/s, and a 4G connection with 47% battery. The browser address bar shows the URL 'blogger.com/blog/post/'. Below the address bar, there's a navigation bar with a back arrow, a home icon, and a profile icon. The main content area is titled 'Title' and contains the text 'BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE'. Below the title, there's a section 'A ) Describe Open-Source Software with Example.' followed by three numbered points: 1. Open source software is software with source code that anyone can inspect, modify, and enhance. It's similar to free software. 2. 'Source code' is the part of software that most computer users don't ever see; it's the code computer programmers can manipulate to change how a piece of software—a 'program' or 'application'—works. Programmers who have access to a computer program's source code can improve that program by adding features to it or fixing parts that don't always work correctly. 3. Example : LibreOffice, GNU/Linux, VLC, Media Player, Mozilla Firefox, GIMP, VNC, Apache web server and jQuery. On the right side, there's a 'Post settings' panel with options for 'Labels', 'Published on' (2/2/22 8:29 PM), 'Permalink' (https://fyitaditya107.blogspot.com/2022/02/understanding-on-free-and-open-source.html), 'Automatic Permalink' (selected), 'Custom Permalink', 'Location', and 'Options'. At the top right of the post editor, there are 'Preview' and 'Publish' buttons.

8:47 PM 3.25K/s 4G 47%

blogger.com/blog/post/ 83

Title

Preview Publish

Post settings

- Labels
- Published on 2/2/22 8:29 PM
- Permalink  
https://fyitaditya107.blogspot.com/2022/02/understanding-on-free-and-open-source.html
- ☒ Automatic Permalink  
☐ Custom Permalink
- Location
- Options

BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE

A ) Describe Open-Source Software with Example.

1. Open source software is software with source code that anyone can inspect, modify, and enhance. It's similar to free software.
2. "Source code" is the part of software that most computer users don't ever see; it's the code computer programmers can manipulate to change how a piece of software—a "program" or "application"—works. Programmers who have access to a computer program's source code can improve that program by adding features to it or fixing parts that don't always work correctly.
3. Example : LibreOffice, GNU/Linux, VLC, Media Player, Mozilla Firefox, GIMP, VNC, Apache web server and jQuery.

8:47 PM 0.00K/s 4G 47%

blogger.com/blog/post/ 83

Title

Paragraph B I U A

## B) Describe Free Software with Example

1. “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
2. The free software definition presents the criteria for whether a particular software program qualifies as free software. From time to time we revise this definition, to clarify it or to resolve questions about subtle issues. See the history section below for a list of changes that affect the definition of free software.
3. Example : Linux kernel, the BSD and Linux operating systems, the GNU Compiler Collection and C library the MySQL relational database

Post settings

- Labels
- Published on 2/2/22 8:29 PM
- Permalink
  - ☒ Automatic Permalink
  - ☐ Custom Permalink
- Location
- Options

The screenshot shows a mobile application interface for Blogger. At the top, the status bar displays the time as 8:48 PM, signal strength, Wi-Fi, and a 47% battery level. Below the status bar is a navigation bar with a home icon, a lock icon, the URL 'blogger.com/blog/post/i', a tab indicator showing '83', and a menu icon. The main content area features a back arrow, the Blogger logo, a help icon, a grid icon, and a profile icon. The post editor includes a 'Title' field, a 'Preview' button, and a 'Publish' button. A rich text editor toolbar is visible with options for text color, background color, paragraph style, bold, italic, underline, text color, and link. The post content is titled 'FREE SOURCE SOFTWARE' and lists four freedoms of free source software. On the right, the 'Post settings' panel is open, showing 'Labels', 'Published on' (2/2/22 8:29 PM), 'Permalink' (https://fyitaditya107.blogspot.com/2022/02/understanding-on-free-and-open-source.html), 'Automatic Permalink' (selected), 'Custom Permalink', 'Location', and 'Options'.

8:48 PM 47%

blogger.com/blog/post/i 83

← Blogger ? ☰ Profile

Title Preview Publish

Paragraph B I U Text color Background color

## FREE SOURCE SOFTWARE

1. The freedom to deploy the software for any use case without any restrictions.
2. The freedom to study how the software works and modify it according to your needs and preferences.
3. The freedom to freely re-distribute the software to assist someone in need. The redistribution can be done at a cost or at no cost.
4. The freedom to enhance the performance of the software and release your enhancements for the community to benefit—both programmers and non-programmers. You can do this at a cost or at no cost.

Post settings

- Labels
- Published on 2/2/22 8:29 PM
- Permalink  
<https://fyitaditya107.blogspot.com/2022/02/understanding-on-free-and-open-source.html>
- ☒ Automatic Permalink  
☐ Custom Permalink
- Location
- Options

The screenshot shows the Blogger post editor interface. At the top, the browser address bar displays 'blogger.com/blog/post/'. The editor includes a title field, a rich text editor with various formatting tools (bold, italic, underline, text color, background color, paragraph, list, link, unlink, undo, redo), and a 'Publish' button. The main content area contains a paragraph and a numbered list. The right sidebar shows 'Post settings' with expandable sections for Labels, Published on (2/2/22 8:29 PM), Permalink (https://fytaditya107.blogspot.com/2022/02/understanding-on-free-and-open-source.html), Location, and Options. The 'Automatic Permalink' option is selected.

any use case without any restrictions.

2. The freedom to study how the software works and modify it according to your needs and preferences.
3. The freedom to freely re-distribute the software to assist someone in need. The redistribution can be done at a cost or at no cost.
4. The freedom to enhance the performance of the software and release your enhancements for the community to benefit—both programmers and non-programmers. You can do this at a cost or at no cost.

### OPEN SOURCE SOFTWARE

- a) Free redistribution of the software.
- b) The source code should be publicly available
- c) The software can be modified and distributed in a different format from the original software.
- d) The software should not discriminate against persons or groups.