

OPEN SOURCE TOOL

What is Open Source

Open source software is software whose source code is freely available, allowing users to view, modify, and distribute it as they see fit. This promotes collaboration, transparency, and community-driven development, while also providing cost-effectiveness, vendor independence, and greater software flexibility.

Need of Open Sources

- Cost-effectiveness
- Transparency
- Flexibility
- Improved security
- Innovation
- Interoperability
- Accessibility

Open Source –Principles

- Free distribution
- Source code availability
- Modifications and derivative works.
- Integrity of the author's source code
- No discrimination against persons or groups
- No restrictions on other software

Open Source –Standard Requirements

1. **Open specifications:** The specifications for the software must be openly published and available for use by anyone.
2. **Interoperability:** The software must be designed to work with other software systems, regardless of the platform or technology used.
3. **Platform neutrality:** The software should be platform-neutral and not tied to a specific operating system or hardware platform.
4. **Accessibility:** The software should be accessible to people with disabilities, including those who are blind, visually impaired, or have other disabilities.
5. **Internationalization:** The software should support multiple languages and be able to operate in a variety of cultural and linguistic settings.
6. **Free distribution:** The software should be available for free, or at a minimal cost, and not restricted by proprietary licensing agreements.

What is Open Source Software

- a) Software whose source code is kept secret
- b) Software that is developed by a company and sold for profit
- c) Software whose source code is publicly available and can be modified and distributed

What is Open Source Software

- a) Software whose source code is kept secret
- b) Software that is developed by a company and sold for profit
- c) ***Software whose source code is publicly available and can be modified and distributed***

2. What is the main benefit of Open Source Software?

- a) It is usually more expensive than proprietary software
- b) It is more secure than proprietary software
- c) It is accessible and can be modified to suit the user's needs

2. What is the main benefit of Open Source Software?

- a) It is usually more expensive than proprietary software
- b) It is more secure than proprietary software
- c) ***It is accessible and can be modified to suit the user's needs***

3. What is the difference between Open Source and Free Software?

- a) There is no difference
- b) Free Software is always Open Source, but Open Source is not always Free Software
- c) Open Source is always Free Software, but Free Software is not always Open Source

3. What is the difference between Open Source and Free Software?

a) There is no difference

b) Free Software is always Open Source, but Open Source is not always Free Software

c) Open Source is always Free Software, but Free Software is not always Open Source

4. Which license is often associated with Open Source Software?

- a) Microsoft License
- b) Apache License
- c) Apple License

4. Which license is often associated with Open Source Software?

a) Microsoft License

b) Apache License

c) Apple License

5. What is the Open Source Initiative (OSI)?

- a) An organization that promotes and maintains the Open Source definition and approves Open Source licenses
- b) A group of hackers who develop Open Source Software
- c) A political movement advocating for the use of Open Source Software in government

5. What is the Open Source Initiative (OSI)?

- a) *An organization that promotes and maintains the Open Source definition and approves Open Source licenses*
- b) A group of hackers who develop Open Source Software
- c) A political movement advocating for the use of Open Source Software in government

6. What is the Open Source Definition?

- a) A set of criteria that software must meet in order to be considered Open Source
- b) A guide for software developers on how to make their code more efficient
- c) A list of popular Open Source Software projects

6. What is the Open Source Definition?

- a) *A set of criteria that software must meet in order to be considered Open Source*
- b) A guide for software developers on how to make their code more efficient
- c) A list of popular Open Source Software projects

7. Which of the following is an example of Open Source Software?

- a) Microsoft Office
- b) Photoshop
- c) LibreOffice

7. Which of the following is an example of Open Source Software?

a) Microsoft Office

b) Photoshop

c) ***LibreOffice***

8. What is a "fork" in the context of Open Source Software?

- a) A type of software development methodology
- b) A copy of a project that is intended to be developed separately from the original
- c) A term used to describe when a software developer is "stuck" and can't make any progress

8. What is a "fork" in the context of Open Source Software?

a) A type of software development methodology

b) A copy of a project that is intended to be developed separately from the original

c) A term used to describe when a software developer is "stuck" and can't make any progress

9. What is the difference between Open Source Software and Open Data?

- a) Open Source Software is code that is publicly available for modification and distribution, while Open Data is data that is publicly available for use and distribution
- b) There is no difference
- c) Open Data is code that is publicly available for modification and distribution, while Open Source Software is data that is publicly available for use and distribution

9. What is the difference between Open Source Software and Open Data?

a) Open Source Software is code that is publicly available for modification and distribution, while Open Data is data that is publicly available for use and distribution

b) There is no difference

c) Open Data is code that is publicly available for modification and distribution, while Open Source Software is data that is publicly available for use and distribution

10. Which of the following is a popular Open Source Content Management System (CMS)?

- a) WordPress
- b) Wix
- c) Squarespace

10. Which of the following is a popular Open Source Content Management System (CMS)?

a) ***WordPress***

b) Wix

c) Squarespace