

PROPRIETARY SOFTWARE VERSUS OPEN SOURCE SOFTWARE FOR EDUCATION

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Which is better, open source or proprietary software? Open-source software is free software, so the upfront cost is low. However, customizations, maintenance, and support add a cost component to it. Proprietary software has a high upfront and ongoing cost. However, these costs can be offset if the vendor offers support and maintenance.

What is the difference between a proprietary and open source software license? Open-source software is distributed with its source code, and lets users freely inspect, modify, and enhance it per its licensing agreement, while proprietary software is the copyrighted property of an individual or company that limits its use, distribution, and modification by way of a proprietary license.

What are two benefits of open source software over proprietary software? Open source enables technology agility, typically offering multiple ways to solve problems. Open source helps keep your IT organization from getting blocked because a particular capability isn't available from a vendor. Instead of waiting for the vendor to deliver that capability, you can create it yourself.

What is an example of proprietary software and open source software? Some examples of Open source software include Android, Ubuntu, Firefox, Open Office, etc. 2. Proprietary Software: Proprietary software is computer software where the source codes are publicly not available only the company that has created them can modify it.

What are 2 disadvantages of proprietary software?

What is a disadvantage of open source software? Potential open source issues
Some open source applications may be tricky to set up and use. Others may lack user-friendly interfaces or features that your staff may be familiar with. This can affect productivity and prevent your staff from adopting or using programs with ease.

What is an advantage of using proprietary licensed software? The software is stable because the development is totally the responsibility of the owner. Hence, the software is stable in working. Moreover, it does not crash easily. Therefore, it is better to use them for business purposes.

Is Microsoft Word a proprietary software? Other examples of proprietary software are iOS, which is the operating system used by iPhones, and the Microsoft Office family of products, which includes the programs Word, Excel, PowerPoint, and Outlook.

What are the 4 types of software licenses?

Why do people prefer using open source software? Some people prefer open source software because they consider it more secure and stable than proprietary software. Because anyone can view and modify open source software, someone might spot and correct errors or omissions that a program's original authors might have missed.

What is the risk of open source software? OSS-RISK-1 Known Vulnerabilities: A component version may contain vulnerable code, accidentally introduced by its developers. Vulnerability details are publicly disclosed, e.g, through CVE, GitHub Security Advisories or other, more informal communication channels. Exploits and patches may or may not be available.

What are the 2 main features of open source software? Open source software is software in which the source code is also available along with the software. Moreover, the users have the right to view, modify, and enhance this code. Furthermore, no license is required for the software. The software can be cost-free or chargeable.

Is Microsoft open source or proprietary? Microsoft uses many tools and services in supporting its open source program.

What are the pros and cons of open source vs licensed proprietary software?

Both have their advantages and disadvantages, and the decision often depends on the specific use case. Open source software is often cost-effective, highly customizable, and community-driven. Proprietary software, on the other hand, often offers strong support, security, ease of use, and innovation.

What are at least three differences between open-source software and proprietary software?

Open source software makes the code available to users to facilitate the sharing and modification of computer code. Proprietary software, sometimes known as closed source software, prevents users from making changes, publishing new versions, or making copies.

Is open source user friendlier than proprietary software?

However, open source software isn't perfect. It may not be as user friendly as closed source software, and if you run into trouble it may be difficult to find technical support, especially for less popular programs.

Is Microsoft open source or proprietary? Microsoft uses many tools and services in supporting its open source program.

Why is open source better than commercial software?

Open source software is accessible to users without upfront costs. Commercial software usually involves upfront licensing costs, subscription fees, or one-time payments.

Is proprietary software high quality?

Proprietary software typically offers numerous benefits, including high quality, robust security, and dedicated support. However, it also comes with potential challenges such as higher costs and limited flexibility.

What type of questions are asked in a software engineering interview?

Technical interview questions ask you to describe your technical skill set and to demonstrate your knowledge of technical concepts. These questions ask you to demonstrate that you thoroughly understand the concepts you'll be using every day as a software engineer.

What is interviewing in software engineering? This typically involves answering questions about your work history, experience with different technology and personality, plus tests that determine your skill level for specific programming languages or software creation.

Why do you want to be a software engineer interview question example? Here's an example of a response from a candidate who began working after high school: "I want to be a software developer because I've worked hard to develop skills that are relevant to this industry and because this type of work brings me personal satisfaction."

What are five questions we should ask programmer candidates?

Why should we hire you? A: When answering, focus on your relevant skills, experience, and achievements that make you the best fit for the role. You should hire me because I am a hard worker who wants to help your company succeed. I have the skills and experience needed for the job, and I am eager to learn and grow with your team.

Who is the father of software engineering? Former Brooklyn Dodgers baseball player Jackie Robinson once said, "A life is not important except in the impact it has on other lives." Barry Boehm, known as the "father of software engineering," was a perfect example of this.

How long to prep for a swe interview? The bottom line is that in pursuit of cracking these interviews, your prep timeline is a crucial element to weigh up. If you want a meaningful answer to how long you must study for these interviews, it's 2-3 months. That is if you want to give yourself the best chance.

How many rounds for a software engineer interview? Senior roles typically require four or five rounds of interviews. The first round is a phone call with the recruiter, followed by a technical interview, a culture fit interview, and a project-based interview. Senior developer interview questions also tend to be more complex and focus on problem-solving skills.

How to be a good interviewer software engineer? Ask a lot of follow up questions and try to gauge and connect their architecture to their work and production

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experience. In the end, leave a little time for the candidate to ask you questions about the team and company. In addition, if they did really well in their interview, use also this time to sell your team.

What is your greatest strength as a software engineer? Key strengths of a software engineer that define their success in the ever-evolving world of software development include the ability to think creatively, solve complex problems, and communicate effectively.

Why should I hire you as a software engineer? “I should be hired for this role because of my relevant skills, experience, and passion for the industry. I've researched the company and can add value to its growth. My positive attitude, work ethics, and long-term goals align with the job requirements, making me a committed and valuable asset to the company.”

How to answer tell me about yourself? Provide a Brief Highlight-Summary of Your Experience The best way to answer "Tell me about yourself" is with a brief highlight-summary of your experience, your education, the value you bring to an employer, and the reason you're looking forward to learning more about this next job and the opportunity to work with them.

How do you nail a coding interview?

Which company has the hardest coding interview questions?

What questions should I ask a software engineer? Software engineer questions about experience and background What inspired you to become a software engineer? What coding languages do you know? Do you have experience leading a team of coders? Discuss a time you identified errors in a coworker's code.

Why should we hire you in one sentence? Example Answer Votaw suggests saying something like this: “You should hire me because I want to make a difference in your company. I have the necessary skills to be successful. I want to learn and grow with this company, and your job is the one that fits me best.”

How do you handle stress?

What is your greatest strength?

What does SDLC stand for? The correct answer is "Software Development and Life Cycle". Key Points. The full form of SDLC is Software Development and Life Cycle. To develop software, an organisation follows a process. This process is known as the Software Development and Life Cycle or SDLC model.

Is Jeff Bezos a software engineer? He graduated from Princeton University in 1986 with degrees in electrical engineering and computer science. He worked on Wall Street in a variety of related fields from 1986 to early 1994. Bezos founded Amazon in mid-1994 on a road trip from New York City to Seattle.

Who is the boss of a software engineer? A Software Engineering Manager is responsible for leading a team of software engineers and overseeing their projects from start to finish. Typically a mid-level manager, Software Engineering Managers ensure that the software being developed meets the necessary requirements, is scalable, and is delivered on time.

How long does it take to prepare for a software engineering interview? If you want a meaningful answer to how long you must study for these interviews, it's 2-3 months. That is if you want to give yourself the best chance.

How to prepare for a software engineering intern interview? Know Your Technical Projects: As part of your preparation, focus on two or three projects that you have deeply mastered. Select challenging projects that you played a key role in and that have technical depth. Practice Talking About Your Experience: Get comfortable talking about your internship or industry experience.

Do they ask coding questions in technical interview? Programming questions are an integral part of an interview for the developer's position. No matter which programming language you master, familiarity with fundamental concepts of programming is something that is always expected from you.

What questions are asked in an IT operations engineer interview?

Statistics, Fourth Edition: Freedman Solutions Manual

Chapter 1: Exploring Data

- **Question 1.6:** A line graph shows the number of deaths per 100,000 people from heart disease in the United States from 1950 to 2010. The graph shows a continuous decline in the number of deaths. What does this graph suggest about the relationship between time and heart disease deaths?
- **Answer:** The graph suggests a negative linear relationship between time and heart disease deaths. As time goes on, the number of deaths per 100,000 people from heart disease decreases.

Chapter 2: Describing Data

- **Question 2.3:** A dataset contains the heights of 100 students. The mean height is 68 inches and the standard deviation is 3 inches. Interpret these two statistics.
- **Answer:** The mean height of 68 inches indicates that the typical student in the dataset is 68 inches tall. The standard deviation of 3 inches indicates that most students' heights fall within 3 inches of the mean, either above or below it.

Chapter 3: Probability

- **Question 3.2:** A medical test has a 95% sensitivity, meaning that it correctly detects 95% of individuals with a particular disease. If 100 people with the disease are tested, how many are expected to test positive?
- **Answer:** Since 95% of individuals with the disease test positive, we expect $0.95 \times 100 = 95$ people to test positive.

Chapter 4: Statistical Inference

- **Question 4.1:** A random sample of 500 people is surveyed to determine their support for a particular candidate. The sample proportion of people who support the candidate is 0.6. Calculate the 95% confidence interval for the true population proportion.
- **Answer:** Using the formula for a confidence interval for a proportion, the 95% confidence interval is (0.548, 0.652).

Chapter 5: Regression

- **Question 5.4:** A scatterplot of the weight of a car versus its fuel efficiency (miles per gallon) shows a negative linear relationship. The regression line has a slope of -0.5 and a y-intercept of 30. Interpret these parameters.
- **Answer:** The slope of -0.5 indicates that for every 1-unit increase in car weight, fuel efficiency decreases by 0.5 miles per gallon. The y-intercept of 30 indicates that a car with a weight of 0 would have a fuel efficiency of 30 miles per gallon.

Shutting Out the Sky: A Study Guide

Introduction

Shutting Out the Sky is a thought-provoking novel that explores the complex themes of identity, acceptance, and the power of storytelling. Set in a futuristic society, it follows the journey of a young woman named Milena as she navigates a world where the sky has been artificially shut off. This study guide provides questions and answers to facilitate a deeper understanding of the novel's key themes and characters.

Questions and Answers

Paragraph 1: Identity and Belonging

1. How does Milena's sense of identity evolve throughout the novel?

- Milena grapples with her own sense of identity, struggling to find her place in a society that values conformity and suppresses individuality. Through her experiences, she discovers the importance of embracing her true self and finding acceptance from within.

Paragraph 2: The Power of Storytelling

2. In what ways does storytelling serve as a form of resistance in the novel?

- Storytelling becomes a powerful tool for Milena and other characters to challenge the oppressive society and express their own perspectives. By sharing their stories, they create a sense of connection and foster a sense of hope and rebellion.

Paragraph 3: The Impact of Isolation

3. How does the shut-off sky symbolize the societal isolation faced by the characters?

- The shut-off sky represents the physical and emotional isolation experienced by individuals in the futuristic society. It creates a sense of claustrophobia and disconnection, highlighting the consequences of a society that prioritizes control over individual expression.

Paragraph 4: The Search for Meaning

4. What is the significance of Milena's quest to find meaning in a world without the sky?

- Milena's search for meaning reflects the human desire for connection, purpose, and transcendence. Through her journey, she learns the importance of forging meaningful relationships, embracing her own creativity, and finding solace in the small moments of life.

Paragraph 5: Hope and Redemption

5. How does the novel offer a message of hope and redemption despite its dystopian setting?

- Despite the challenges presented by the oppressive society, *Shutting Out the Sky* ultimately offers a message of hope and redemption. It highlights the resilience of the human spirit, the power of love and connection, and the possibility of transformation even in the darkest of times.

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