

# SOFTWARE TESTING ENGINEER INTERVIEW QUESTION AND ANSWERS

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**How to interview a software test engineer?**

**What are the questions asked for a test engineer?**

**How to explain STLC in an interview?** Answer: The primary purposes of the STLC include ensuring the quality and reliability of the software product, detecting defects early in the development process, validating that the software meets specified requirements, and ultimately delivering a product that satisfies customer expectations.

**How to pass a QA interview?**

**What is the STLC life cycle?** Software Testing Life Cycle (STLC) is a process used to test software and ensure that quality standards are met. Tests are carried out systematically over several phases. During product development, phases of the STLC may be performed multiple times until a product is deemed suitable for release.

**What is API testing in software testing?** API testing is a type of software testing that analyzes an application programming interface (API) to verify that it fulfills its expected functionality, security, performance and reliability. The tests are performed either directly on the API or as part of integration testing.

**Why should I hire you as test engineer?** Working as a Software Tester with reputed organisations like TCS and HCL Technologies has given me first hand experience of working in the field of testing. In my past career, I bagged several critical manual and automated software testing projects, which gave me a holistic view on the work front.

**Why should we hire you for a QA position?** Example: "As an experienced QA manager, I pay keen attention to details and can spot quality errors quickly. I also have excellent time management, problem-solving, and communication skills. I know how to multitask, prioritize work, and collaborate with others to achieve results.

**How to explain a software testing project in an interview?** You should describe the scope, objectives, challenges, and outcomes of each project, and highlight your specific role and responsibilities in the testing process. You should also mention any metrics or indicators you have used or reported to measure the quality, performance, or reliability of the software under test.

**What are the 7 steps of software testing?**

**What is difference between STLC and SDLC?** The key differences between SDLC and STLC The SDLC process outlines all of the common stages involved in the software development process, and the STLC process outlines various actions that enhance the product's quality. The STLC is the testing life cycle, whereas the SDLC is the development life cycle.

**What is the lifecycle of QA?** Essentially, the process of QA can be broken down into 5 key stages: discovering, planning, designing, executing, and improving. The QA team helps define functional and non-functional software requirements and checks how those correlate with business objectives.

**Why should we hire you?** "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."

**What is your greatest strength for a QA tester?**

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**How to answer tell me about yourself in a QA interview?** Can you tell me about yourself? Answer: In my QA career, I have been working on various system platforms and operating systems like Windows 95, Windows 2000, Windows XP and UNIX. I have tested applications developed in Java, C++, Visual Basic and so on.

**What are the 7 phases of SDLC?**

**What is RTM in testing?** Definition: Requirements Traceability Matrix (RTM) is a document used to ensure that the requirements defined for a system are linked at every point during the verification process. It also ensures that they are duly tested with respect to test parameters and protocols.

**What is the STLC 10x rule?** Using the “10x rule” (based on the 10:1 extractant to sample ratio), if the result of a particular compound is 10x or higher than its STLC limit, that compound will require STLC analysis. These results can also be used to determine if a TCLP analysis would be required.

**Who writes API tests?** Each API is tested separately as an individual entity. In most companies, the developer writes unit tests, but in some cases, due to time limitations, a tester is also involved. After a developer writes or adds a block of code, they need to run unit test cases to make sure the code is working.

**What is a sanity test in software testing?** Sanity testing is used to validate the changes made to one or few specific parts of the application in order to make sure that the software is still functioning as expected after a small change or a bug fix. It is often used as a preliminary step before conducting more extensive testing, such as regression testing.

**How to write a test case?**

**How do I interview an SDET?**

**Why should I hire you as test engineer?** Working as a Software Tester with reputed organisations like TCS and HCL Technologies has given me first hand experience of working in the field of testing. In my past career, I bagged several critical manual and automated software testing projects, which gave me a holistic view on the work front.

### **How to introduce yourself in interview for experienced software test engineer?**

If you are an experienced, you must specify your work experience. start with your Position and Roles & Responsibilities. Mention your goals, strengths, and weakness. Conclude here and ask whether they have any further questions which they would like to know about you.

### **How do I prepare for a manual tester interview?**

### **The Sparrow: A Masterpiece of Intergalactic Exploration and Ethical Dilemma**

**Q: Who is the author of "The Sparrow"?** A: Mary Doria Russell

**Q: What is the premise of the novel?** A: "The Sparrow" follows a Jesuit mission to the planet Rakhat, where they encounter an alien civilization with a devastating secret.

**Q: What are the main themes explored in the book?** A: Themes include the clash between faith and science, the nature of free will, and the consequences of colonialism.

**Q: How does the novel incorporate different perspectives?** A: The story is told through the alternating perspectives of several characters, including the Jesuit priest Emilio Sandoz, the linguist Anne Flores-Gallegos, and the Rakhatan alien Numi.

**Q: What makes "The Sparrow" a unique and thought-provoking work of science fiction?** A: Russell's masterful storytelling, exploration of complex themes, and believable alien characters make "The Sparrow" a captivating and unforgettable read. The novel raises profound questions about the nature of humanity and the limits of human knowledge.

### **Master Python with "The Python Workbook: Solve 100 Exercises on Udemy"**

Embark on a journey to enhance your Python skills with "The Python Workbook: Solve 100 Exercises on Udemy." This comprehensive course offers a practical approach to learning Python, providing 100 exercises to test your understanding and solidify your knowledge.

**Q1: What are the prerequisites for taking this course?**

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A1: Basic programming knowledge and a foundational understanding of Python syntax are necessary to maximize your experience.

**Q2: How are the exercises structured?**

A2: The exercises are divided into 10 sections, each focusing on a specific aspect of Python, including data structures, object-oriented programming, and file handling.

**Q3: What types of exercises are included?**

A3: The exercises vary in difficulty, from simple operations to complex challenges. They cover a wide range of Python topics, ensuring a thorough understanding of the language.

**Q4: How can I complete the exercises?**

A4: You will receive a Jupyter Notebook for each exercise, allowing you to execute the code directly within the course platform. You can experiment with different solutions and receive instant feedback.

**Q5: What are the benefits of completing this course?**

A5: By completing this course, you will not only strengthen your Python skills but also improve your problem-solving abilities, develop your coding confidence, and prepare for real-world Python applications.

**Conclusion**

"The Python Workbook: Solve 100 Exercises on Udemy" is an invaluable resource for anyone seeking to master Python. With its structured approach, challenging exercises, and immediate feedback, this course is designed to transform you into a confident and proficient Python programmer.

**The Study of Orchestration: A Q&A with Samuel Adler**

**Q: What is the importance of studying orchestration?**

A: Orchestration is the art of distributing and combining musical material among the instruments of an ensemble. It is a crucial skill for composers, arrangers, and

conductors, as it allows them to realize their musical ideas in a vibrant and expressive way.

**Q: How does one approach the study of orchestration?**

A: Samuel Adler, a renowned composer and educator, recommends a three-step approach:

1. **Master the fundamentals:** Study the timbres, ranges, and techniques of each orchestral instrument.
2. **Analyze existing scores:** Examine how great composers have orchestrated their works.
3. **Experiment and practice:** Write your own orchestrations and experiment with different combinations of instruments.

**Q: What are some common challenges in orchestration?**

A: Some challenges include:

- Balancing the instruments in terms of volume and texture.
- Ensuring that the orchestration complements the melodic and harmonic content of the music.
- Writing for the strengths and limitations of each instrument.

**Q: What are the benefits of studying orchestration with a teacher?**

A: Working with an experienced teacher provides valuable guidance and feedback. They can help you:

- Identify orchestration techniques that suit your musical style.
- Develop your ear for instrumental timbres.
- Critique your orchestrations and suggest improvements.

**Q: How can orchestration enhance my musical compositions?**

A: Studying orchestration allows you to:

- Create more expressive and evocative musical pieces.

- Understand the capabilities and limitations of different orchestral instruments.
- Communicate your musical intentions more effectively to performers.
- Improve your overall musicianship and deepen your appreciation for the beauty of orchestral music.

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