

Testing Preparation Quick Guide

Contents

MANUAL	1
Manual Testing Pointers	1
Manual Testing Questions	2
AUTOMATION	3
SELENIUM	3
Selenium Pointers	3
Selenium Basics	3
Selenium Webdriver	3
Selenium Quizzes	4
Selenium Interview Questions	4
JAVA	5
Java Pointers	5
Java Quizzes	6
Java Interview Questions	6
TEST_NG	7
TestNG Pointers	7
TestNG Interview Questions	7
API	8
WEB SERVICES API	8
Web Service Testing – Beginners Guide	8
API Testing Guide - BASIC	8
POSTMAN	8
Postman Beginners Crash Course - Part 1	8
Postman Beginners Crash Course - Part 2	8
Postman Beginners Crash Course - Part 3	8
Postman Tutorial for Beginners: API Testing using Postman	8
SOAP UI	8
SOAPUI Tutorial	8
API INTERVIEW QUESTIONS	8
Postman Questions	8
SoapUI Questions	9
Web Service API Testing Questions	9
AGILE	10
Agile Pointers	10
Agile Basics	10
Scrum	10
Agile Quizzes	11
Agile Interview Questions	11
Agile learning resources	11
Leading & Management Questions	12
Some more Automation Questions	13
ADDITIONAL LEARNING RESOURCES	14
EXTRA	16

MANUAL

Manual Testing Pointers

<https://www.softwaretestingmaterial.com/manual-testing-tutorial/>

- SDLC
- STLC
- Bug Life Cycle
- Waterfall Model
- Spiral Model
- V Model
- Waterfall vs Agile
- Types of Testing
- Types of Software Testing
- Performance Testing Types
- Levels of Testing
- Black Box & White Box Testing
- Smoke And Sanity Testing
- Regression Testing
- Retesting
- Regression vs Retesting
- Entry And Exit Criteria
- Test Scenario Vs. Test Case
- Manual Testing Methods
- Verification And Validation
- Test Strategy
- Test Plan
- Test Estimation – Experience Based, 2Points, 2points, Function points etc.... Agile – Story points, Planning Poker, T Shirt sizing, etc....
- Work Breakdown Structure
- How To Write Test Cases
- Test Scenario vs Test Cases
- Bug Report Template
- Test Metrics
- Requirement Traceability Matrix - RTM
- Test Deliverables
- Difference Between Defect Bug Error & Failure
- Bug Report, Test Summary Report, Defect Summary Report
- Defect Triage
- Software Architecture
- Principles of Software Testing
- Black Box Test Design Techniques
- Equivalence Partitioning
- Boundary Value Analysis
- Decision Table
- State Transition

- Severity Vs Priority
- Severity & Priority Info-graphic
- PDCA Cycle
- Software Testing As A Career
- Agile Scrum Methodology
- Principles of Agile Software Development

Manual Testing Questions

<https://www.softwaretestingmaterial.com/100-software-testing-interview-questions/>

AUTOMATION

SELENIUM

Selenium Pointers

<https://www.softwaretestingmaterial.com/selenium-tutorial/>

Selenium Basics

- What is Automation Testing – Advantages & Types of Tools
- What is Selenium IDE, Selenium RC, Selenium WebDriver, Selenium Grid?
- Selenium IDE, Firebug & Firepath Installation

Selenium Webdriver

- Selenium WebDriver Architecture
- Selenium Installation
- Challenges and Limitations of Selenium
- First Selenium WebDriver Script
- Working with Firefox Browser
- Solution – Failed To Launch Browser Using Selenium WebDriver
- Working with Chrome Browser
- Working with IE Browser
- Difference Between FindElement & FindElements
- Install Firebug, Fire path and other add on for Selenium
- Locators in Selenium
- Dynamic Xpath
- Dynamic CSS
- Handle drop-downs
- How to work with file upload
- Handle Alerts & Popups
- Handle Multiple Windows
- Mouse Hover event in Selenium
- Right Click
- Double Click
- Drag and Drop
- Capture Screenshots in Selenium
- Parameterization
- Synchronization
- Implicit Wait, Explicit Wait and Fluent Wait in Selenium
- Implicit Waits
- Explicit WebDriver Waits
- Fluent Wait In Selenium
- Apache POI
- How To Read Data From Excel File
- How To Write Data In Excel File
- Database Testing Using MSSQL
- Database Testing Using MySQL

- Database Testing Using DB2
- Handle Ajax Call in Selenium
- Listeners in Selenium
- Handling JavaScript in Selenium
- Stale Element Reference Exception in Selenium
- Integrate Sikuli with Selenium
- Headless Browser Testing
- Headless Browser Testing using HtmlUnitDriver
- Headless Browser Testing using PhantomJS Driver

Selenium Quizzes

<https://www.guru99.com/selenium-certification-quiz.html>

<https://www.techbeamers.com/selenium-webdriver-quiz/>

<https://www.techbeamers.com/selenium-webdriver-testng-quiz-testers/>

<https://www.softwaretestingmaterial.com/selenium-quiz/>

<https://www.techbeamers.com/selenium-testing-interview-quiz-beginners/>

Selenium Interview Questions

200+ Selenium Interview Questions and Answers

<https://www.techbeamers.com/latest-selenium-interview-questions-and-answers>

100 Selenium Interview Questions and Answers

<https://www.guru99.com/top-100-selenium-interview-questions-answers.html>

JAVA

Java Pointers

<https://www.softwaretestingmaterial.com/java-tutorial/>

- JDK, JRE and JVM
- Java Environment Setup
- Java Syntax
- Print in Java
- User Input In Java
- Comments in Java
- Read From File
- Write To File
- Variables In Java
- Variable Naming Convention in Java
- Types of Variables in Java
- Data Types in Java
- Operators In Java
- Control Flow Statements
- Conditional Statements
- if statement
- Nested if statement
- if else statement
- Switch Case
- For Loop
- Enhanced For Loop
- While Loop
- Do While Loop
- Continue Statement
- Break Statement
- OOPS Concept
- Class
- Object
- Method
- Modifiers
- Access Modifiers
- Constructor
- Inheritance
- Polymorphism
- Method Overloading
- Method Overriding
- Abstraction
- Abstract Class
- Abstract Method
- Interface in Java
- Encapsulation
- Arrays in Java

- ArrayList in Java
- How To Convert Array to ArrayList
- Collections Framework in Java
- Map in Java
- LinkedList in Java
- Exception Handling

Java Quizzes

<https://www.softwaretestingmaterial.com/java-quiz/>

<https://www.guru99.com/java-quiz.html>

Java Interview Questions

Java Interview Questions And Answers (40+)

<https://www.softwaretestingmaterial.com/java-interview-questions/>

TEST_NG

TestNG Pointers

<https://www.softwaretestingmaterial.com/testng-tutorial/>

- TestNG Annotations And Benefits
- To Create TestNG.xml file
- Ignore Tests in TestNG
- Skip Test In TestNG
- Groups
- Exception
- Dependencies
- Parameterized Tests Using XML
- Parameterized Tests Using DataProviders
- Parallel Execution in TestNG
- Asserts
- Soft Assert
- Listeners
- IRetryAnalyzer – How To Run Failed Test Cases
- TestNG Reports
- How To Run TestNG Using Command Prompt

TestNG Interview Questions

Most Popular TestNG Interview Questions And Answers

<https://www.softwaretestingmaterial.com/testng-interview-questions/>

API

WEB SERVICES API

Web Service Testing – Beginners Guide

<https://www.guru99.com/webservice-testing-beginner-guide.html>

API Testing Guide - BASIC

<https://www.softwaretestingmaterial.com/api-testing/>

POSTMAN

Postman Beginners Crash Course - Part 1

https://www.youtube.com/watch?v=95NBave0W_k

Postman Beginners Crash Course - Part 2

<https://www.youtube.com/watch?v=OAvx5ttPO6A>

Postman Beginners Crash Course - Part 3

<https://www.youtube.com/watch?v=27HEMEPkvoE&t=7s>

Postman Tutorial for Beginners: API Testing using Postman

<https://www.softwaretestingmaterial.com/postman-tutorial/>

SOAP UI

SOAPUI Tutorial

<https://www.toolsqa.com/soapui-tutorial/>

API INTERVIEW QUESTIONS

Postman Questions

30+ Postman Interview Questions & Answers

<https://www.softwaretestingmaterial.com/postman-interview-questions/>

SoapUI Questions

34 Most Common SoapUI Interview Questions And Answers

<https://www.softwaretestinghelp.com/soapui-interview-questions-and-answers/>

Web Service API Testing Questions

API Testing Interview Questions

<https://www.softwaretestingmaterial.com/api-testing-interview-questions/>

Top 50+ Web API Testing Interview Questions

<https://www.katalon.com/resources-center/blog/web-api-testing-interview-questions/>

18 Common SOAP Interview Questions (Complete cheat sheet)

<https://www.softwaretestingmaterial.com/soap-interview-questions/>

Top 20 REST API Interview Questions and Answers

<https://www.techbeamers.com/rest-api-interview-questions-answers/>

AGILE

Agile Pointers

<https://www.tutorialspoint.com/agile/index.htm>

<https://www.softwaretestinghelp.com/agile-scrum-methodology-for-development-and-testing/>

Agile Basics

- What is agile?
- Core agile principles
- Agile methodologies/frameworks/flavours and techniques – Scrum, Extreme programming, (xp), Kanban, DSDM (dynamic systems development method):

Scrum

- Scrum Team
- Sprint
- Product Owner
- Scrum Master
- Business Analyst (BA)
- User Story
- Epics
- Acceptance Criteria
- Backlog Grooming
- Capacity
- Feature
- Iteration
- Increment
- Product Backlog
- Product Backlog Items
- Sprint Backlog
- Story Points
- Burn down chart
- Points
- Release
- Requirement
- Story Points
- Sprint
- Timebox
- Task
- Velocity
- Definition of Done

Activities/Ceremonies/Events Done in SCRUM Methodology

- 1) Planning Meeting - Sprint Planning, Release Planning etc...
- 2) Execution of Sprint Tasks
- 3) Daily Standup

- 4) Review Meeting
- 5) Retrospective Meeting

- Agile ESTIMATION METHODS - Planning Poker, T-Shirt Sizes, etc...
- Agile Practices - Continuous Integration, Test-Driven Development (Tdd), etc...

Agile Quizzes

Agile Scrum Online Quiz: Test Your Knowledge Of Agile Scrum

<https://www.softwaretestinghelp.com/agile-scrum-quiz/>

Agile Interview Questions

30+ Top Scrum Interview Questions And Answers [2021 LIST]

<https://www.softwaretestinghelp.com/scrum-interview-questions/>

<https://www.softwaretestinghelp.com/agile-scrum-quiz/>

Agile learning resources

Agile Basics

<https://www.jile.io/agile-basics/get-agile-basics-right>

<https://www.exin.com/agile-scrum/getting-to-grips-with-agile-basic-concepts-explained/>

Agile Methodology Tutorial

<https://www.tutorialspoint.com/agile/index.htm>

<https://www.softwaretestinghelp.com/agile-scrum-methodology-for-development-and-testing/>

<https://www.softwaretestinghelp.com/agile-vs-waterfall/>

<https://www.softwaretestinghelp.com/agile-estimation-techniques/>

Agile Estimation Techniques: A True Estimation In An Agile Project

<https://www.softwaretestinghelp.com/agile-estimation-techniques/>

Leading & Management Questions

<https://www.techbeamers.com/must-know-qa-interview-questions-senior-engineer/>

<https://learning.naukri.com/articles/top-20-test-lead-interview-questions-answers/>

<https://www.projectpractical.com/top-21-test-lead-manager-interview-questions-answers-for-2019/>

<https://www.softwaretestinghelp.com/qa-test-lead-interview-questions-and-answers/>

<https://www.indeed.com/career-advice/interviewing/qa-manager-interview-questions>

<https://www.guru99.com/top-20-test-manager-interview-questions.html>

Some more Automation Questions

How To Explain Test Automation Framework To The Interviewer

<https://www.softwaretestingmaterial.com/explain-test-automation-framework/>

Top 40+ Java Interview Questions And Answers in 2021

<https://www.softwaretestingmaterial.com/java-interview-questions/>

300 Selenium Questions and Answers

<https://www.gangboard.com/blog/selenium-interview-questions-and-answers>

100 Most Popular Advanced Selenium Interview Questions And Answers

<https://www.softwaretestingmaterial.com/selenium-interview-questions/>

Advanced Selenium Interview Questions

<https://www.devlabsalliance.com/advanced-selenium-interview-questions/>

ADDITIONAL LEARNING RESOURCES

API/Web Services Testing using RestAssured

https://www.youtube.com/watch?v=yDdBOspPp_c&list=PLUDwpEzHYYLt3kLIHDLVjdnmJw7BDvVdEY

Postman for Beginners Crash Course

https://www.youtube.com/watch?v=95NBave0W_k&list=PLUDwpEzHYYLt3kLIHDLVjdnmJw7BDvVdEY

Webservices/API Testing Real Time FAQ's

<https://www.youtube.com/watch?v=Ome0DHDEMR4&list=PLUDwpEzHYYLt3kLIHDLVjdnmJw7BDvVdEY>

Selenium with Java FAQ's

<https://www.youtube.com/watch?v=APRVsl01AZI&list=PLUDwpEzHYYLt3kLIHDLVjdnmJw7BDvVdEY>

Frequently Asked Java Programs

<https://www.youtube.com/watch?v=3vbizK6KzaU&list=PLUDwpEzHYYLt3kLIHDLVjdnmJw7BDvVdEY>

CI & CD Pipeline

https://www.youtube.com/watch?v=1ji_9scA2C4

<https://www.youtube.com/watch?v=Ozna0MS5D1E>

Continuous Integration with Maven, Jenkins, Git & GitHub

<https://www.youtube.com/watch?v=F8Nfjwneeb4&list=PLUDwpEzHYYLt3kLIHDLVjdnmJw7BDvVdEY>

SoapUI API/Web Services Testing

<https://www.youtube.com/watch?v=4Od5hMd-EPM&list=PLUDwpEzHYYLt3kLIHDLVjdnmJw7BDvVdEY>

Webservices API Testing Demos

https://www.youtube.com/watch?v=DeH_MENbskU&list=PLUDwpEzHYYLvz9HeXEjgQ1fmwfnps_qhM

SQL For Testers

https://www.youtube.com/watch?v=wifRYaPiiM0&list=PLUDwpEzHYYLt0aRs7gvyEEviMp_CoTO3q

SQL for Beginners (MySQL)

<https://www.youtube.com/watch?v=wifRYaPiiM0&list=PLUDwpEzHYYLvWEwDxZViN1shP-pGyZdtT>

Java Full Course for Beginners

https://www.youtube.com/watch?v=_3ds4qujpxU&list=PLUDwpEzHYYLt8jYba459LEYrzlUKINCrk

Selenium WebDriver with Java

<https://www.youtube.com/watch?v=PLLbGltmkpE&list=PLUDwpEzHYYLs6G9WOfFxiH5zMfgNxgmSV>

Selenium with Java Hybrid Framework Design

<https://www.youtube.com/watch?v=M4Ye3SKT46g&list=PLUDwpEzHYYLsmuyHqL44P2GqU1FHrutZu>

TestNG

https://www.youtube.com/watch?v=3l1JtRwl_yU

<https://www.youtube.com/watch?v=2yNo9Q2Tn70>

<https://www.youtube.com/watch?v=v3wytfKlJz4>

<https://www.youtube.com/watch?v=MsIQmCJD0Hc&list=PLUDwpEzHYYLsWENabqeETzgPLbmwqhM45>

Jira Tutorials for Beginners

<https://www.youtube.com/watch?v=v9tjYJXcdTs&list=PLUDwpEzHYYLtRP4Pqvb0Q8N4IecrrhwXL>

EXTRA

Cheat Sheets

Selenium

<https://cheatography.com/narayanan-palani/cheat-sheets/selenium-webdriver-cheat-sheet/pdf/>

<https://intellipaat.com/blog/tutorial/selenium-tutorial/selenium-cheat-sheet/>

<https://medium.com/@madhankumaravelu93/selenium-cheat-sheet-a-comprehensive-list-of-selenium-commands-fa4c5c9d11ab>

<https://cheatography.com/narayanan-palani/cheat-sheets/selenium-webdriver-cheat-sheet/>

Java

<https://github.com/in28minutes/java-cheat-sheet>

<https://hackr.io/blog/java-cheat-sheet>

API Testing

<https://www.loadview-testing.com/blog/rest-soap-api-testing/>

<https://www.linkedin.com/pulse/postman-beginners-cheat-sheet-api-testing-glenn-raul-robinson>

<https://www.toolsqa.com/postman/postman-cheat-sheet/>

<https://postman-quick-reference-guide.readthedocs.io/en/latest/cheatsheet.html>

Git

<https://education.github.com/git-cheat-sheet-education.pdf>

<https://github.com/sk3pp3r/cheat-sheet-pdf>

Jenkins

<https://intellipaat.com/blog/tutorial/devops-tutorial/jenkins-cheat-sheet/>

Extra Resources

DevOps

<https://intellipaat.com/blog/tutorial/devops-tutorial/>

GIT

<https://intellipaat.com/blog/tutorial/devops-tutorial/git-tutorial/>

<https://intellipaat.com/blog/tutorial/devops-tutorial/git-commands/>

<https://product.hubspot.com/blog/git-and-github-tutorial-for-beginners>

https://www.tutorialspoint.com/gitlab/gitlab_ci_cd.htm

JENKINS

<https://www.tutorialspoint.com/jenkins/index.htm>

<https://intellipaat.com/blog/tutorial/devops-tutorial/jenkins-cheat-sheet/>

CI CD

<https://www.guru99.com/ci-cd-pipeline.html>

<https://resources.github.com/whitepapers/practical-guide-to-CI-with-Jenkins-and-GitHub/>

Microservices

https://www.tutorialspoint.com/microservice_architecture/index.htm

<https://www.guru99.com/microservices-tutorial.html>