

Pre Requisites: No Prior Knowledge is required to learn Software testing with us.



Course HighLights:

- 10+ yrs of experienced real time trainers
- Competitive course content as per current market.
- Real time project End to End will be covered in every course.
- Course will be start from basic level to advanced level
- All the real time tools learn in the part of course
- Daily Assignments and monitoring your work
- Weekly Written Tests will be conducted
- Real time scenarios and Interview Questions discussion
- Mock interviews with feedback and suggestions if any.
- Sharing all the documents used in Real Time projects.
- After course completion also we will address your queries on frequent Q&A session.
- Recordings Access for lifetime

vii. Null

e. typeof Method in TypeScript

1. Introduction to TypeScript

2. Installation

a. Installation

- i. Node.js → npm (Node Package Manager)
- ii. TypeScript Compiler
- iii. Visual Studio Code (VSCode)
- iv. Tsx (TypeScript Executor)

b. Difference between TypeScript and JavaScript

c. Write Script in TypeScript and compile to JavaScript and execute

d. Directly execute TypeScript

e. Variables Introduction

3. Continuation of Variables

a. Value assignment at declaration

b. Redclaration

c. Reassignment

d. Hoisting

4. Data Types

a. Type Safety

b. Type Annotations

c. Type Inference

d. Data Types (Primitive & Non-Primitive)

- i. Number
- ii. String
- iii. Boolean
- iv. Any
- v. Undefined
- vi. Union Type

5. Operators

a. Arithmetic

b. Assignment

c. Increment & Decrement

d. Comparison

e. Logical

f. Ternary

6. Conditional Statements

a. If

b. If else

c. Nested If else

d. Switch Case

7. Looping Statements

a. While

b. Do while

c. For loop

d. Break

e. Continue

8. Strings

a. Different ways of initialization

b. Backtick

c. String Methods

9. TypeScript Functions

a. What is function

b. Scope – Var, Let, Const

c. void

d. Named

e. Anonymous

f. Arrow / Lambda

g. Callback

h. Overloaded functions

i. Different parameter types

ii. Different number of parameters

iii. Different return types

10. Arrays

a. What is Array

b. Types of Declaration

c. Importance of Spread Operator [...]

d. Accessing Arrays

i. For loop

ii. For in loop

iii. For of loop

e. Passing array to function

f. Function returns an array

g. Methods in Arrays

11. Tuple

12. Set and Map in TypeScript

13. Classes & Objects

a. Class

b. Object

c. Constructor

d. Readonly Properties

e. Optional Properties

f. Static Properties

g. Static Methods

14. Inheritance

a. Super

b. Overriding

c. Access Modifiers

i. Public

ii. Private

iii. Protected

15. Interfaces & Abstract Class

16. Modules

a. Import

b. Export

17. Exception Handling

a. Try

b. Catch

c. Finally

d. Throw

18. DB Connection

a. MySQL

b. Oracle

19. Read & Write files

a. Text File

b. Excel

c. CSV

d. JSON

20. TypeScript Interview Question

Playwright Course Content

- TypeScript

1. Playwright Introduction

- a. Features
- b. Difference between Selenium and Playwright

2. Locators

- a. User Facing Locators
- b. XPath
- c. CSS

3. Introduction to Playwright Automation and Installation

- a. Setup NPM Project
- b. Install Playwright and its dependencies
- c. Explain folder structures

4. Playwright Automation Core Concepts

- a. Install Playwright tests plugin in vs code
- b. Browser context and page fixtures
- c. Write first automation script
- d. Playwright configuration files to run tests
- e. Cross browser execution
- f. Setup Assertions in tests
- g. Async / Await usage
- h. Test Execution using CLI
 - i. UI
 - ii. Debug
 - iii. trace

5. Handling UI Controls

- a. Working with all UI Controls ex textbox, button, checkbox...
- b. Extract multiple elements
- c. Wait mechanism when list of elements is returned
- d. alltextContent()
- e. textContent()
- f. innertext()
- g. allinnertexts()
- h. Groups & Hooks
 - i. Test.describe
 - ii. Beforeeach
 - iii. Aftereach
 - iv. Beforeall

- v. Afterall
- i. Assertions
- j. Auto waiting
- k. Timeouts
- l. TestData Generator

6. Learn Playwright Inspectors and Trace Viewers

- a. Playwright Inspector
- b. Trace Viewer
 - i. Screenshots
 - ii. Videos
- c. Debugging mode
- d. Codegen
 - i. Inspect elements
 - ii. Copy the recorded script

7. API Testing with Playwright

- a. What is API
- b. GET,POST,PUT,DELETE
- c. Sharing Authentication State
- d. Build mix of API and WEB

8. Session storage

9. Intercepting network request/responses with playwright

10. Visual Testing

11. Accessibility Testing

12. Contract Testing

- a. Schema Validation

13. Page Object Model patterns End to End Framework

- a. Multiple Environments configuration
- b. Test Data separation for multiple env
- c. Test Retries, Serial & Parallel Execution and Tagging tests in playwright
- d. Running scripts from package.json file
- e. GITHUB
- f. HTML & Allure Reporting
- g. GITHUB Actions
- h. CI/CD Jenkins using both creating job and pipeline script
- i. Docker containerization

14. Project Configurations & Use options

- a. Use options in playwright.config.js and same in test level
- b. View Port for mobile emulation

- c. SSL Certification options setting in config file
- d. Environment Variables
- e. Fixtures
- f. Project Setup and Teardown
- g. Global Setup and Teardown
- h. Multiple config files example for production(--config)

15. Playwright Using LLM's, Agents and MCP

- a. LLM's
- b. Claude AI
- c. GitHub Copilot
- d. Playwright MCP

FAQ's:

1. Applications for practice:

- Banking
- Loan Management
- E-Commerce
- Insurance
- HR
- Health-Care
- Hospital Management System

2. Placements:

We will refer your resumes to companies for openings; you have to perform in interview and impress the interviewer with your answers and build the confidence. If you need any help in how to answer or any other knowledge, we will be happy to serve you on it. With our level of real time training and followed all assignments given by us, Mock Interviews, Expert level of resume preparation should be very much enough to crack the interview in technical and others is depends on candidate expressive and impressive skills

3. Recordings:

Life time access will be provided.

4. Shall get support after course completion:

You can send mail to us on your clarification, and will be discussing in frequent Q&A Session.