

FULL STACK QA BOOTCAMP



Enquiries - +91 8098033443



2.5 MONTHS TRAINING SCHEDULE

01 CORE - JAVA **15** hrs

02 Selenium UI Automation **35** hrs

COURSE DURATION **50** hrs

WEEKDAYS/WEEKEND BATCHES AVAILABLE



JAVA PROGRAMMING - 30HRS

01 INTRODUCTION

Java History & Introduction

JDK & ECLIPSE Installation Steps

Eclipse Overview

02 Writing your first Java Program

Our first Java Program

Compiling and executing the program (CMD Prompt & Eclipse)

Compilation steps- Class File, JRE, JVM & JIT

03 Creating Java Project, Package & Class file

Create your first Java Project

Naming conventions for Java Project

Creating Packages & it's naming Conventions

Creating Class files & its naming conventions

04 Comment Like a Pro!

Single & Multiple Line Comments

Variables & DataTypes

05 Primitive DataTypes

Non-Primitive DataTypes

06 Memory Allocation using String

Memory allocation concepts using String Methods

07 Operators

Arithmetic Operator (+, -, *, /, %)

Assignment Operator (=, +=, -=, *=, /=, %=)

Relational (Comparison) Operator (<, <=, >, >=, !=, ==)

Logical Operator && (AND) || (OR)

Unary Operator (+, -, ++, --)

Ternary Operator (?:)

08 Boolean

Boolean Concept

09 Conditional Statements

If..else Condition

Switch Case

10 Loops

For Loop

While Loop / Do-While Loop

11 User Input using Scanner Class

Scanner Class

12

LocalDateTime

Local Date Time Concepts
Customizing your Date & Time

13

Arrays

Single dimensional Array
Multi dimensional Array

14

Methods

Methods
Method Parameters
Method Overloading

15

Classes & Objects

Introduction to Classes & Objects
Class Methods
Constructors, Constructor Overloading & this
Keyword
Modifiers

16

Object Oriented Programming

Inheritance
Polymorphism
Encapsulation
Abstraction
Interface
Enum

17

Files

FileWriter
FileReader
Delete File

18

Exceptions

Try...Catch
Throw and Throws

19

Collections

ArrayList
LinkedList
HashMap
HashSet





SELENIUM(UI) AUTOMATION - 60HRS

01 Introduction to Selenium

What is Selenium?

Selenium 4 - Architecture

Overview: Selenium WebDriver, Selenium Grid, Selenium IDE

02 Selenium WebDriver Basics

Launching browsers using WebDriver

Locating web elements (ID, Name, Class, XPath, CSS Selector)

Handling basic browser actions (click, sendKeys, getText)

03 Advanced WebElement Handling

Handling dropdowns (Select class)

Working with checkboxes and radio buttons

Handling alerts, pop-ups

Mouse actions using Actions class (drag and drop, hover, right-click)

04 Handling Windows and iFrames

Switching between windows

Handling Frames/iFrames & Nested iFrames

05 Working with Web Tables

Extracting data from tables

Dynamic table handling

06 Synchronization and Waits

Implicit Wait vs. Explicit Wait
Fluent Wait
Handling dynamic element

07 Screenshots, Headless, SSL, Ad Block, Extns

Screenshots
Headless
SSL, AdBlock & Extensions

08 Handling Broken Links & other elements

Handling Broken Links, SVG Elements,
Shadow DOM

09 Data - Driven Testing

Reading data from Excel (Apache POI)
Using properties files for configuration
Parameterization using TestNG

10 TestNG Integration & Setup

Introduction to TestNG
Assertions and annotations in TestNG
Running parallel tests
Generating reports

11

Extent Report Generation

Integrating Extent Report

12

Page Object Model (POM) and Design Patterns

Implementing POM for better test structure
Using Page Factory for object initialization

13

Logging and Reporting

Using Log4j for logging
Generating reports with Extent Reports

14

Git & GitHub Workflow

Git & Git Hub setup

15

Jenkins Integration

Jenkins execution & Report generation