Software Testing Certification Boot Camp Training

Duration: **4 Day**

BİLGİNÇ IT Academy
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Overview

Prepare for the globally recognized **ISTQB® Certified Tester Foundation Level (CTFL)** certification and build a strong foundation in **Software Testing**, **Quality Assurance**, and **Test Management**.

This intensive training program is designed to help professionals successfully pass the **ISTQB Foundation Level Certification Exam**, the world's leading certification for software testing professionals.

The **ISTQB CTFL Training Course** provides comprehensive coverage of the official syllabus while combining theory with practical examples and exam preparation techniques.

Participants will gain knowledge in:

- **Software Testing Fundamentals**
- **Test Design Techniques**
- **Test Management**
- **Static Testing**
- **Software Testing Tools**
- **Quality Assurance**
- **Test Automation Concepts**

Who Should Attend

- Software Test Engineers
- QA Testers
- QA Managers
- Test Leads
- Test Managers
- Business Analysts
- Software Developers
- Development Managers
- Project Managers
- Anyone seeking a career in **Software Testing** or **Quality Assurance**

What You Will Learn

By the end of this course, participants will be able to:

- Prepare confidently for the **ISTQB CTFL Exam**
- Understand the complete **Software Testing Lifecycle**
- Apply **Black Box Testing** and **White Box Testing** techniques
- Develop effective test strategies
- Perform risk-based testing
- Design high-quality test cases
- Support software quality initiatives across projects

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Outline

1. Introduction

- **ISTQB Overview**
- **ASTQB Overview**
- Exam Structure
- Study Techniques
- Exam Preparation Strategies

2. Fundamentals of Testing

- Testing Terminology
- Common Testing Principles
- Test Process
- Psychology of Testing
- Code of Ethics
- Test Objectives
- Seven Testing Principles

3. Testing Throughout the Software Lifecycle

- Software Development Models
- Test Levels
- Test Types
- Maintenance Testing
- Verification and Validation
- Entry and Exit Criteria
- **Black Box Testing**
- **White Box Testing**

4. Test Management

- **Test Management**
- Test Organization
- Planning and Estimation
- Monitoring and Control
- Configuration Management
- Risk Management
- Incident Management

5. Test Design Techniques

Specification-Based Testing

- Equivalence Partitioning
- Boundary Value Analysis
- Decision Table Testing
- State Transition Testing
- Use Case Testing

Structure-Based Testing

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- Control Flow Testing
- Coverage Analysis

Experience-Based Testing

- Exploratory Testing
- Error Guessing

6. Static Testing

- **Static Testing Techniques**
- Reviews
- Walkthroughs
- Inspections
- Static Analysis

7. Tool Support for Testing

Software Testing Tools

- Test Automation Tools
- Test Frameworks
- Tool Selection
- Tool Adoption
- Effective Tool Usage

8. ISTQB Exam Preparation

- Practice Exams
- Sample Questions
- Exam Strategies
- Review Sessions
- Final Preparation