

QUICK TEST PROFESSIONAL (QTP) COURSE CONTENT

❖ **INTRODUCTION TO AUTOMATION TESTING:**

- Drawbacks of Manual Testing
- Benefits of Automation Testing
- Drawbacks of Automation Testing
- Factors to go for Automation Testing
- Factors to Choose Automation Tool

❖ **TYPES OF AUTOMATION TOOLS:**

- Functionality Testing Tools
- Performance Testing Tools
- Test Manage Tools
- Types of Licenses
- Licensed Tools
- Open Source Tools

❖ **INTRODUCTION TO QTP:**

❖ **HISTORY OF QTP:**

❖ **BENEFITS OF QTP OVER OTHER AUTOMATION TOOLS:**

❖ **KEY ELEMENTS IN QTP:**

- Keyword View
- Expert View
- Data Table
- Active Screen
- Debug Viewer
- Information
- Missing Resources
- Function Library
- Test Flow
- Available Keywords
- Resources
- ToDo Pane

❖ **AUTOMATION PROCESS IN QTP:**

- Planning the Test

❖ **WITH RESPECT TO APPLICATION:**

❖ **WITH RESPECT TO AUTOMATION:**

- Recording the Test
- Enhancing the Test
- Debugging the Test
- Running the Test
- Analyzing the Results and Reporting Defects

❖ **RECORDING TYPES/MODES:**

- Normal Recording
- Analog Recording
- Low Level Recording
- Differences Between Recording Modes

❖ **OBJECT IDENTIFICATION:**

- Introduction to Objects and Classes
- Introduction to Properties and Methods
- Object Identification Mechanizm
- Object Repository
- Options Available for Object Repository
- Test Objects
- Run-Time Objects
- Differences Between TO and RO Properties
- Object Spy

❖ **CONFIGURATION FOR OBJECT IDENTIFICATION:**

- Mandatory Properties
- Assistive Properties
- Ordinal Identifier

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❖ **LOCATION:**

❖ **CREATION TIME:**

- Visual Identification [New in QTP 11]

❖ **REPOSITORY TYPES:**

- Local Object Repository
- Shared Object Repository
- Differences Between Object Repositories
- Advantages of Shared OR over Local OR
- Object Repository Manager
- Associate Object Repositories
- Object Repository Comparison Tool
- Object Repository Merge Tool

❖ **SMART IDENTIFICATION MECHANISM:**

- Base Filter Properties
- Optional Filter Properties
- Differences Between Identification Methods
- Custom Class
- Standard Class
- Differences Between Custom Class and Standard Class

❖ **CHECK POINTS:**

- Standard Check Point
- Image Check Point
- Bitmap Check Point

- Differences Between Image and Bitmap Check Points
- Text Check Point
- Text Area Check Point
- Differences Between Text and Text Area Check Points
- Database Check Point
- Accessibility Check Point
- XML File Check Point
- XML Page Check Point
- Page Check Point
- Table Check Point
- User Defined Check Points
- Ways of Creating Check Points
- Modifying Check Points

❖ **OUTPUT VALUES:**

- Standard Output Value
- Text Output Value
- Text Area Output Value
- Database Output Value
- XML Output Value

❖ **DIFFERENCES BETWEEN CHECK POINTS AND OUTPUT VALUES:**

❖ **SYNCHRONIZATION POINTS:**

- Wait
- Insert Synchronization Point
- Object Exits
- Object Property
- Pop-Up Exist
- Page Exists/Loads
- .Sync
- Default Synchronization for Windows and Web Applications
- Through Scripting
- Through Check Points

❖ **ACTIONS:**

- Types of Actions
- Non-Reusable Actions

❖ **REUSABLE ACTIONS:**

- Internal Action
- External Actions
- Action Properties

❖ **PARAMETERIZATION:**

- Parameterization Types
- Through Data Table
- Environment Variables

❖ **BUILT-IN:**

❖ **USER DEFINED INTERNAL:**

❖ **USER DEFINED EXTERNAL:**

❖ **PREDEFINED:**

- Through Test/Action
- Steps/Check Points
- Flat Files [XLS Files]
- Random Number Generator

❖ **VIRTUAL OBJECTS:**

- Purpose
- Creating Virtual Objects
- Limitations of Virtual Objects

❖ **REGULAR EXPRESSIONS:**

- Purpose
- Using in Repositories
- Using in Check Points
- Using In Descriptive Level Programming

❖ **DEBUGGING:**

- Insert/Remove Break Points
- Step In, Step Out and Step Over
- Debug Viewer Pane

WATCH EXPRESSIONS

❖ **VARIABLES:**

❖ **COMMAND:**

❖ **RUN MODES:**

- Update Run Mode
- Maintenance Run Mode
- Normal Mode
- Fast Mode
- Debug

❖ **RECOVERY SCENARIO:**

- Purpose
- Types of Recovery Scenarios

❖ **POP-UP:**

❖ **OBJECT STATE:**

❖ **TEST RUN ERROR:**

❖ **APPLICATION CRASH:**

- Associate Recovery Scenarios
- Through Scripting