1. Can I use recovery scenario without using recovery scenario wizard?

**Answer1:** Yes, Below is the syntax how we use them  
  
1.'Turn off recovery scenario  
Recovery.SetScenarioStatus 1,False  
  
2.'Turn recovery scenario ON  
Recovery.SetScenarioStatus 1,True

**Answer2:** Yes, Below Please find the syntax in using  
  
1.'Turn recovery scenario ON  
Recovery.SetScenarioStatus 1,True  
  
2. 'Turn off recovery scenario OFF  
Recovery.SetScenarioStatus 1,False

1. What is the actual difference in Text/Text Area checkpoint? (Explain in detail with proper example)?

**Answer2:**Text checkpoint both can check the whole string which u can do by using standard checkpoint. difference is that if u want to validate that a particular string has to come within a defined area then use text area checkpoint . use text checkpoint when the position of text is critical. assume u have a text box in one screen that displays the name entered in previous screen. u will use text area checkpoint to validate that name appears within the text box. u will use text checkpoint in this example to see that surname appears first(assuming some format specified wherein surname should be first).

3. Code for reading the data of a particular cell from an external excel file using COM.

**Answer 1:**  
set xlApp=CreateObject("Excel.Application")  
xlWorkSheet=xlApp.WorkSheets.Add  
xvar=xlWorkSheet.GetCellData(1,1)  
Msgbox(xvar)  
  
please let me know if i am wrong .

**Answer2:**

Set oExcelApp = CreateObject("Excel.Application")  
Set oWrkBk = oExcelApp.Workbooks.Add()  
Set oWrkSht = oWrkBk.worksheets("Sheet1")  
Value1 = Trim(oWrkSht.cells(iRow,iCol))

4. Can I use datatable of Action1 in the Action2?

5. Can I import a excel sheet in Action1 datatable? How?

6. How to use regular expression in DP. (I don't have any Object Repository in my test)

If we keep on adding objects to Object Repository, it's size may bloated and in turn dwindle the execution speed of QTP, to overcome this loophole, we have the concept called DP, which states that without the involvement of Object Repository we can know the properties of Objects.

7. What are pros and cons of DP?

**1. What are the Features & Benefits of Quick Test Pro(QTP)..?**

1. Key word driven testing   
2. Suitable for both client server and web based application   
3. VB script as the script language   
4. Better error handling mechanism   
5. Excellent data driven testing features

**2. How to handle the exceptions using recovery scenario manager in QTP?**

You can instruct QTP to recover unexpected events or errors that occurred in your testing environment during test run. Recovery scenario manager provides a wizard that guides you through the defining recovery scenario. Recovery scenario has three steps   
1. Triggered Events   
2. Recovery steps   
3. Post Recovery Test-Run

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1. Triggered Events   
2. Recovery steps   
3. Post Recovery Test-Run

**3. What is the use of Text output value in QTP?**

Output values enable to view the values that the application talks during run time. When parameterized, the values change for every iteration. Thus by creating output values, we can capture the values that the application takes for each run and output them to the data table.

**4. How to use the Object spy in QTP?**

There are two ways to Spy the objects in QTP   
1) Thru file toolbar   
---In the File Tool Bar click on the last toolbar button (an icon showing a person with hat).   
2) Thru Object repository Dialog   
---In Object repository dialog click on the button “object spy...”   
In the Object spy Dialog click on the button showing hand symbol.   
The pointer now changes in to a hand symbol and we have to point out the object to spy the state of the object   
If at all the object is not visible or window is minimized then Hold the Ctrl button and activate the required window to and release the Ctrl button.

**5. What is the file extension of the code file & object repository file in QTP?**

File extension of   
-- Per test object rep: - filename.mtr   
-- Shared Object rep: - filename.tsr   
-- Codes file extension id: - script.mts

**6. Explain the concept of object repository & how QTP recognizes objects?**

Object Repository: displays a tree of all objects in the current component or in the current action or entire test (depending on the object repository mode you selected).   
We can view or modify the test object description of any test object in the repository or to add new objects to the repository.   
Quick test learns the default property values and determines in which test object class it fits. If it is not enough it adds assistive properties, one by one to the description until it has compiled the unique description. If no assistive properties are available, then it adds a special Ordinal identifier such as objects location on the page or in the source code.

**7. What are the properties you would use for identifying a browser & page when using descriptive programming?**

"Name" would be another property apart from "title" that we can use.   
OR   
We can also use the property "micClass".   
Ex: Browser("micClass:=browser").page("micClass:=page")....

**8. What are the different scripting languages you could use when working with QTP?**

Visual Basic (VB), XML, JavaScript, Java, HTML

**9 Give example where you have used a COM interface in your QTP project?**

COM interface appears in the scenario of front end and back end. for eg:if you r using oracle as back end and front end as VB or any language then for better compatibility we will go for an interface. of which COM will be one among those interfaces. Create object creates handle to the instance of the specified object so that we program can use the methods on the specified object. It is used for implementing Automation(as defined by Microsoft).

**10. Few basic questions on commonly used Excel VBA functions.**

Common functions are:   
Coloring the cell   
Auto fit cell   
Setting navigation from link in one cell to other   
Saving

**11. Explain the keyword create object with an example.**

Creates and returns a reference to an Automation object   
Syntax: CreateObject(servername.typename [, location])   
Arguments   
SERVERNAME: Required. The name of the application providing the object   
TYPENAME: Required. The type or class of the object to create   
LOCATION: Optional. The name of the network server where the object is to be created

**12. Explain in brief about the QTP Automation Object Model.**

Essentially all configuration and run functionality provided via the QTP interface is in some way represented in the QTP automation object model via objects, methods, and properties. Although a one-on-one comparison cannot always be made, most dialog boxes in QTP have a corresponding automation object, most options in dialog boxes can be set and/or retrieved using the corresponding object property, and most menu commands and other operations have corresponding automation methods. You can use the objects, methods, and properties exposed by the QTP automation object model, along with standard programming elements such as loops and conditional statements to design your program.

**13. How to handle dynamic objects in QTP?**

QTP has a unique feature called Smart Object Identification/recognition. QTP generally identifies an object by matching its test object and run time object properties. QTP may fail to recognize the dynamic objects whose properties change during run time. Hence it has an option of enabling Smart Identification, wherein it can identify the objects even if their properties changes during run time.   
Check this out-   
If QuickTest is unable to find any object that matches the recorded object description, or if it finds more than one object that fits the description, then QuickTest ignores the recorded description, and uses the Smart Identification mechanism to try to identify the object.   
While the Smart Identification mechanism is more complex, it is more flexible, and thus, if configured logically, a Smart Identification definition can probably help QuickTest identify an object, if it is present, even when the recorded description fails.   
The Smart Identification mechanism uses two types of properties:   
Base filter properties—the most fundamental properties of a particular test object class; those whose values cannot be changed without changing the essence of the original object. For example, if a Web link's tag was changed from to any other value; you could no longer call it the same object. Optional filter properties—other properties that can help identify objects of a particular class as they are unlikely to change on a regular basis, but which can be ignored if they are no longer applicable.

**14. What is a Run-Time Data Table? Where can I find and view this table?**

In QTP, there is data table used, which is used at runtime.   
-In QTP, select the option View->Data table.   
-This is basically an excel file, which is stored in the folder of the test created, its name is Default.xls by default.

**15. How does Parameterization and Data-Driving relate to each other in QTP?**

To data drive we have to parameterize i.e. we have to make the constant value as parameter, so that in each iteration (cycle) it takes a value that is supplied in run-time data table. Through parameterization only we can drive a transaction (action) with different sets of data. You know running the script with the same set of data several times is not suggestible, & it's also of no use.

**16. What is the difference between Call to Action and Copy Action?**

Call to Action: The changes made in Call to Action, will be reflected in the original action (from where the script is called).But where as in Copy Action, the changes made in the script, will not affect the original script (Action)

**17. Discuss QTP Environment.**

QuickTest Pro environment using the graphical interface and Active Screen technologies - A testing process for creating test scripts, relating manual test requirements to automated verification features - Data driving to use several sets of data using one test script.

**18. Explain the concept of how QTP identifies object.**

During recording QTP looks at the object and stores it as test object. For each test object QT learns a set of default properties called mandatory properties, and look at the rest of the objects to check whether this properties are enough to uniquely identify the object. During test run, QT searches for the run time objects that match with the test object it learned while recording.

**19. Differentiate the two Object Repository Types of QTP.**

Object repository is used to store all the objects in the application being tested. 2 types of object repository per action and shared. In shared repository only one centralized repository for all the tests, where as in per action for each test a separate per action repository is created.

**20. What the differences are and best practical application of each.**

Per Action: For Each Action, one Object Repository is created.   
Shared: One Object Repository is used by entire application

**21. Explain what the difference between Shared Repository and Per\_Action Repository**

Shared Repository: Entire application uses one Object Repository, that similar to Global GUI Map file in WinRunner   
Per Action: For each Action, one Object Repository is created, like GUI map file per test in WinRunner

**22. Have you ever written a compiled module? If yes tell me about some of the functions that you wrote.**

I used the functions for capturing the dynamic data during runtime. Function used for Capturing Desktop, browser and pages.

**23. What projects have you used WinRunner on? Tell me about some of the challenges that arose and how you handled them.**

PBS: WR fails to identify the object in GUI. If there is a non standard window object cannot recognize it, we use GUI SPY for that to handle such situation.

**24. Can you do more than just capture and playback?**

I have done dynamically capturing the objects during runtime in which no recording, no playback and no use of repository is done AT ALL.   
-It was done by the windows scripting using the DOM (Document Object Model) of the windows.

**25. How to do the scripting. Are there any inbuilt functions in QTP as in QTP-S.? What is the difference between them? How to handle script issues?**

Yes, there's an in-built functionality called "Step Generator" in Insert->Step->Step Generator -F7, which will generate the scripts as u enter the appropriate steps.

**26. What is the difference between check point and output value.**

I would like to add some stuff to Kalpana's comments.   
It is as follows:-   
An outPut value is a value captured during the test run and entered in the run-time but to a specified location.   
EX:-Location in Data Table [Global sheet / local sheet]

**27. IF we use batch testing the result shown for last action only in that how can i get result for every action.**

U can click on the icon in the tree view to view the result of every action.

**28. How the exception handling can be done using QTP**

It can be done using the Recovery Scenario Manager which provides a wizard that guides you through the process of defining a recovery scenario. FYI The wizard could be accessed in QTP> Tools-> Recovery Scenario Manager.......

**29. How many types of Actions are there in QTP?**

There are three kinds of actions:   
Non-reusable action—an action that can be called only in the test with which it is stored, and can be called only once.   
Reusable action—an action that can be called multiple times by the test with which it is stored (the local test) as well as by other tests.   
External action—a reusable action stored with another test. External actions are read-only in the calling test, but you can choose to use a local, editable copy of the Data Table information for the external action.

**30. I want to open a Notepad window without recording a test and I do not want to use SystemUtil.Run command as well. How do I do this?**

 U can still make the notepad open without using the record or System utility script, just by mentioning the path of the notepad "( i.e., where the notepad.exe is stored in the system) in the "Windows Applications Tab" of the "Record and Run Settings window. Try it out.

**1)** **What are the Features & Benefits of Quick Test Pro ?**

**Ans.** Operates stand-alone, or integrated into Mercury Business Process Testing and Mercury Quality Center. Introduces next-generation zero-configuration Keyword Driven testing technology in Quick Test Professional 8.0 allowing for fast test creation, easier maintenance, and more powerful data-driving capability. Identifies objects with Unique Smart Object Recognition, even if they change from build to build, enabling reliable unattended script execution. Collapses test documentation and test creation to a single step with Auto-documentation technology. Enables thorough validation of applications through a full complement of checkpoints.

**2) How to handle the exceptions using recovery scenario manager in QTP?**

**Ans.** There are 4 trigger events during which a recovery scenario should be activated. A pop up window appears in an opened application during the test run: A property of an object changes its state or value, A step in the test does not run successfully, An open application fails during the test run, These triggers are considered as exceptions.You can instruct QTP to recover unexpected events or errors that occurred in your testing environment during test run. Recovery scenario manager provides a wizard that guides you through the defining recovery scenario. Recovery scenario has three steps:

* Triggered Events
* Recovery steps
* Post Recovery Test-Run

**3) What is the use of Text output value in QTP?**

**Ans.** Output values enable to view the values that the application talks during run time. When parameterized, the values change for each iteration. Thus by creating output values, we can capture the values that the application takes for each run and output them to the data table.

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**Ans.** There are two ways to Spy the objects in QTP:

* Thru file toolbar, In the File Toolbar click on the last toolbar button (an icon showing a person with hat).
* True Object repository Dialog

In Object repository dialog click on the button object spy. In the Object spy Dialog click on the button showing hand symbol. The pointer now changes in to a hand symbol and we have to point out the object to spy the state of the object if at all the object is not visible. or window is minimized then, hold the Ctrl button and activate the required window to and release the Ctrl button.

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**Ans.** Name would be another property apart from title that we can use.

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**Ans.** Essentially all configuration and run functionality provided via the Quick Test interface is in some way represented in the Quick Test automation object model via objects, methods, and properties. Although a one-on-one comparison cannot always be made, most dialog boxes in Quick Test have a corresponding automation object, most options in dialog boxes can be set and/or retrieved using the corresponding object property, and most menu commands and other operations have corresponding automation methods. You can use the objects, methods, and properties exposed by the Quick Test automation object model, along with standard programming elements such as loops and conditional statements to design your program.

***Full form of QTP?***

Quick Test Professional

***What’s the QTP?***  
QTP is Mercury Interactive Functional Testing Tool.

***What’s the basic concept of QTP?***  
QTP is based on two concept-

* Recording
* Playback

***Which scripting language used by QTP?***  
QTP using VB scripting.

***How many types of recording facility are available in QTP?***  
QTP provides three types of recording methods-

* Context Recording (Normal)
* Analog Recording
* Low Level Recording

***How many types of Parameters are available in QTP?***  
QTP provides three types of Parameter-

* Method Argument
* Data Driven
* Dynamic

***What’s the QTP testing process?***  
QTP testing process consist of seven steps-

* Preparing to recoding
* Recording
* Enhancing your script
* Debugging
* Run
* Analyze
* Report Defects

***What’s the Active Screen?***  
It provides the snapshots of your application as it appeared when you performed a certain steps during recording session.

***What’s the Test Pane?***  
Test Pane contains Tree View and Expert View tabs.

***What’s Data Table?***  
It assists to you about parameterizing the test.

***What’s the Test Tree?***  
It provides graphical representation of your operations which you have performed with your application.

***Which all environment QTP supports?***

ERP/ CRM  
Java/ J2EE  
VB, .NET  
Multimedia, XML  
Web Objects, ActiveX controls  
SAP, Oracle, Siebel, PeopleSoft  
Web Services, Terminal Emulator  
IE, NN, AOL

**How can you view the Test Tree?**

The Test Tree is displayed through Tree View tab.

**What’s the Expert View?**

Expert View display the Test Script.

**Which keyword used for Nornam Recording?**

F3

**Which keyword used for run the test script?**

F5

**Which keyword used for stop the recording?**

F4

**Which keyword used for Analog Recording?**

Ctrl+Shift+F4

**Which keyword used for Low Level Recording?**

Ctrl+Shift+F3

**Which keyword used for switch between Tree View and Expert View?**

Ctrl+Tab

**Note**:

> QTP records each steps you perform and generates a test tree and test script.

> QTP records in normal recording mode.

> If you are creating a test on web object, you can record your test on one browser and run it on another browser.

> Analog Recording and Low Level Recording require more disk sapce than normal recording mode.

**What’s the Transaction?**

You can measure how long it takes to run a section of your test by defining transactions.

**Where you can view the results of the checkpoint?**

You can view the results of the checkpoints in the Test Result Window.

**Note:**

If you want to retrieve the return value of a checkpoint (a boolean value that indicates whether the checkpoint passed or failed) you must add parentheses around the checkpoint argument in the statement in the Expert View.

**What’s the Standard Checkpoint?**

Standard Checkpoints checks the property value of an object in your application or web page.

**Which environment are supported by Standard Checkpoint?**

Standard Checkpoint are supported for all add-in environments.

**What’s the Image Checkpoint?**

Image Checkpoint check the value of an image in your application or web page.

**Which environments are supported by Image Checkpoint?**

Image Checkpoint are supported only Web environment.

**What’s the Bitmap Checkpoint?**

Bitmap Checkpoint checks the bitmap images in your web page or application.

**Which enviornment are supported by Bitmap Checkpoints?**

Bitmap checkpoints are supported all add-in environment.

**What’s the Table Checkpoints?**

Table Checkpoint checks the information with in a table.

**Which environments are supported by Table Checkpoint?**

Table Checkpoints are supported only ActiveX environment.

**What’s the Text Checkpoint?**

Text Checkpoint checks that a test string is displayed in the appropriate place in your application or on web page.

**Which environment are supported by Test Checkpoint?**

Text Checkpoint are supported all add-in environments

To understand Test Object Model we can break it in three different terms, that are-

**Object**

**Test Object**

**Test Object Model**

**Object**, one of the units of your application.

**Test Object**, If QTP performs any operation on application Object and stores it for testing then we called it Test Object.

**Test Object Model**, QTP contains large set of Object types that it uses to recognize the application object.

I think now we can discuss about it in details. QTP uses this concept to tell the QTP engine that how tool will record the Object and Object Operation of the application. As I said that Test Object Model is large set of Objects which it uses to understand the objects but how QTP recognize the Object as Test Object and how it know that what type of operation tool has performed over the Object. For that QTP have different types of Class that represent the each and every Test Object of QTP. We can describe the Class mean like Four Wheeler is the class but different Cars are the object of the “Four Wheeler”. So classes are having different type of Properties and Methods that Test Objects uses to simulate the application objects.

Basically Properties use to recognize the type of Objects and Methods use to recognize the performed operation over the Object. So with the help of Properties and Methods QTP understand the application objects and performed action which are done by Tester and recorded by QTP.

So in simple word QTP uses Test Object Model to recognize the objects of the application.

Here is the exhaustive list of questions on QTP which are asked or can be asked in QTP Technical interview. Prepare them well and I certainly hope you will come out with flying colors. All the Best!  
What is Test Frame Work?  
How comfortable are you in VB Scripting?  
What is Description Object?  
What are SetToProperty, SetRoProperty, GetToProperty scripting?  
What is the difference between version 6.5 and 8.2?  
What is the difference between Normal mode and Fast mode?  
How do you invoke the application through QTP?  
How do you close the Task Manager through QTP?  
How will you load the object during run time?  
How will you handle the situation when object is not captured during record?  
What is test object?  
How QTP recognizes the objects stored in object repository  
What is post recovery scenario?  
What is reusable action and how the same can be implemented (process)  
How will u integrate oracle with QTP  
How QTP integrate with application  
What is object repository?  
What are all the fields present in object repository?  
What is smart identification?  
What are the mandatory properties for a text box (scenario?)  
What is Checkpoint?  
What is object?  
What are the properties of object?  
What is Action?  
What will be there in Keyword view and Expert View?  
What is regular expression how will u implement it  
Where the checkpoints are stored  
What is database checkpoint, how will u parameterize the database from separate data table  
How will u handle application crash using recovery scenario manager (Step By Step Process)  
What is Virtual Object?  
What is the difference between calling a function and reusing an action?  
How QTP support all types of applications (Platforms)  
What is the difference between application testing and product testing?  
What is throw object?  
What is Run-time Data?  
How will you enhance the script?  
Can objects recogonised without repository?  
Where did u automate in ur project  
Any challenge that faced in ur project  
Batch test,run action  
Purpose of automation  
Diff ways of parameterising  
Error handled other than recovery scenario manager  
Diff betw WR and QTP  
What kind of errors can b handled?  
How you used DDT in QTP?  
Difference between keyword driven test and DDT?  
How did you use regular expression in QTP and also in Win Runner?  
How do you learn the object in QTP?  
How will you handle custom object in QTP?  
Differences in QTP and Win Runner.  
Give us the Definition for Integration Testing, Regression Testing System Testing  
How will you report the bug and explain the defect tracking Sheet you handled?  
What In-string function will do?  
What is L-trim function will do?  
WinRunner and QTP difference?  
In website, protocol has been changed http: to https what you will do? Tell me your Approach?  
What Framework you are following?  
How to load the object repository at run time?  
How much strong on VB and C?  
How to compare the 2 strings?  
What is the Silent mode in WinRunner?  
Have you worked with Quality Center?  
Have you used Test Director?  
What is QTP Test Frame work?  
Definitions for Keyword view and Tree View?  
What is Smart Identification?  
What is Object Repository?  
What is your experience level in QTP?  
What is your Role and Responsibilities In QTP with your current organisation?  
Explain the following:  
Import and Export of files.  
Random testing of 500 test cases.  
Invoking of application  
Opening notepad in QTP &Writing of Test Result in Notepad.  
Merging of Two Repositories  
Datafile / Verification of data file when file is not available in local system.  
Business process component / Types and usage.  
Opening of notepad in QTP to write and execute the coding.  
How to find local host name using QTP  
How to handle exception when data table is not available in local host system or Path is not correct (Explain Statement with example)  
Runtime dynamic settings.  
Script generated after applying database check point.  
Script generated at the time of setting runtime property.  
Types of exception handling and script for that.  
Scripting

**QTP FAQ’s**

02/06/2009 — Ganesh Raman

Q1: How to do the batch testing using QTP  
A1: go to tools, options and select the test batch runner and select the scripting functions one by one by keeping it in wait mode and execute it.  
 Q2: How to execute a Win Runner Script in QTP?  
A2: insert->call to win Runner->select test or function  
 Q3: Inserting a Call to Action is not importing all columns in Datatable of globalsheet. Why?  
A3: As the call is to an Action, the data in the Global sheet will not be available. Only which are necessary for the Action like repository, action’s sheet will be imported. So the test’s global sheet and its data will not be available in the calling test.  
 Q4: What is output value?  
A4: An output value is a value retrieved during the test run and entered into your data table. You can subsequently use this output value as input data in your test. This enables you to use data retrieved during a test in other parts of the test.  
 Q5: How to do Batch run in qtp? Provide the steps?  
A5: goto tools select the batch test runner. add the items to be tested and say run  
 Q6: How to make arguments optional in a function?  
A6: Suppose there is a login window in the user name we can type any thing but while running its giving some error we can avoid that error actually so, we can make that tsl as an optional so that if an error occurs it continues but not stop for example  
Optional.Dialog(“Login”).WinEdit(“Name:”).Set “ssss”  
these line make an optional now  
 Q7: How to retrieve the property of an object?  
A7.1: Spy the object a dialog box comes with the properties and the associated methods  
A7.2: Example: Dim link\_Text link\_Text=Browser(“abcd”).Page(“efgh”).Link.GetROProperty (“innertext”)  
 Q8: How to supress warnings from the “Test results page”?  
A8: Test case warnings are suppress by  
Tools>general options>uncheck the warnings  
 Q9: How to execute a Win Runner Script in QTP?  
A9: Insert->callto win Runner->select test or function  
 Q10: How to get the object property?  
A10.1: using getroproperty or using objspy or in the tree view we can select particular object and right-clicking we can see all properties right any thing mistake make it correct  
A10.2: Just spy that object by using GUI spy, then it will show the object properties, if it is not having the standard properties then go for GUI map configuration and add whatever the properties u want  
 Q11: How we can take data in the username field text box into variable in web application?explain with example and give all functions to get data into variables.  
A11.1: just declare a variable  
x=browser(browser).page(pagename).setROproperty(“innertext”)  
msgbxo x  
A11.2: Any Application, it may be web or it may be window based applications, we use getroproperty () method to get the data from the Edit box.Same way if u want to set the data to the edit box we use set()method. For example:  
Dim variable name  
Variable name = Browser (browser).page  
(pagename).GetROproperty(“Logical name”)  
if u want to print in dialogbox use msgbox()function OR  
if u want to print in test result use reporter. reporter  
event() function  
 Q12: What is the use of Regular expression?  
A12.1: By using RE we can instruct QTP not to consider values of an object but only consider the format.Ex: if u r testing a date field with different values then QTP consider only date format not changing dates.  
A12.2: depends on events our application objects (or)windows labelsare varying .To create data driven test on this type of objects and window Test Engineers are inserting regular expression in corresponding gui map entry.  
   
Q13: What is the Diff between Image check-point and Bit map Check point?  
A13: image check point we can use this in web testing to find the source and etc bitmap checkpoint to use this we can find the images difference and specific screen area differences  
 Q14: Can anybody give the script to add sheet, add column, add values under that column in the rows?  
A14.1: U can try with Add Parameter method. If u have help chk for this. The example for this will have “….Get sheet (…).Add Parameter (..)…”  
A14.2: We can create sheet, parameter and can assign value in one step:  
DataTable.AddSheet  
(“MySheet”).AddParameter “Parametername”,”Value”  
 Q15: what is TOM in qtp?  
A15: Test Object Model  
 Q16: where is the bitmap checkpoint be saved  
A16: Any check point will be saved in a Temp/the script saved Folder along with the script there is no any other place to save.  
 Q17: Anybody explain me, the concept of checkpoint declaration in the QTP mainly for the Objects, Pages, Text and Tables?  
A17: A checkpoint verifies that expected information is displayed in a Application while the test is running. You can add eight types of checkpoints to your test for standard web objects using QTP.  
Object, Page and Table checkpoints can be added using Standard check point.  
1. A page checkpoint checks the characteristics of a Application  
2. An object checkpoint (Standard) checks the values of an object on a Application.  
3. A table checkpoint checks information within a table on a Application  
4. A text checkpoint checks that a text string is displayed in the appropriate place on a Application.  
 Q18: How many check points are there in QTP and what are they?A18: QTP supports 9 types of check points.  
1. Standard check point.  
2. Image check point.  
3. Bitmap check point.  
4. Page check point.  
5. Text check point.  
6. Text Area check point.  
7. Database check point.  
8. Accessibility check point.  
9. XML check point.  
 Q19: What is Parameterizing Tests?  
A19.1: When converting test into data driven tests – we replace fixed values with parameters/variable – is known as parameterize the tests.  
A19.2 When you test ur application we may want to test how the application performs same operations with multiple sets of data  
   
Q20: One build is delivered, in that build button name is submit. but in the next built that name of the button changed as login. Will u continue with previous recorded script or u make any changes?  
A20.1: So we want to change the logical name of the button through regedit.exe, i.e. after executing this we can change the logical name of that particular button  
A20.2: U can change the logical name of the object which object u change in object repository. or u add new object to the object Repository.  
 Q21: how to test background color and dynamic images during runtime  
A21: It is possible only in web applications only. By using check points we have to test the back ground color and dynamic images for e.g. Yahoo mail page back ground color is blue  
   
Q22: Can we directly automate test scripts according to requirements?  
A22: No, we cannot automate test scripts using requirements.  
 Q23: When the Low Level Recording is Used in QTP?  
A23.1: 1.if fails to record in Context Sensitive  
2. If it fails to record in analog recording  
3. Whem the Object is not identified  
A23.2: When QTP fails to recognize object in Default mode, we switch to Low Level recording in order to record on Object level.  
A23.3: Sometimes low level recording is used to record unexpected defects that arise due to mouse movement and key strokes.  
A23.4: If QTP fails to recognize the object in application then the low level recording mode will be used for recognizing objects in application. In low level recording mode QTP will recognize the objects as a “Window” or “WinObject”.we can see in Expert View.  
A23.5: Some of the objects are not recognizing in default recording mode then switch to low level recording. Means it Captures objects, x & y co-ordinates of screen, keyboard Inputs and also mouse clicks.  
 Q24: How to add check point?  
A24: We can add check points mainly 2 ways they are:  
1. Right Click on any icon(step) for which v want to add chk point in Tree view and select add check point.  
2.Simply way is go 4 Active screen, select the object on which u want to add check point and select add check point.  
 Q25: What is the extension of script and object repository files in QTP?  
A25: Extension for Script is .mts  
Extension for Repository is if it is per action (.mtr)  
else shared (.tsr)  
 Q26: How to add a runtime parameter to a data sheet?  
A26: 1) You can pass datasheet value to test during run time  
DataTable.SetCurrentRow(1)  
var= Datatable.Value(“Column Name”,”Sheet name”)  
 2) you can write value to datasheet during run time  
DataTable.SetCurrentRow(2)  
Datatable.Value(“Column Name”,”Sheet name”) = Value  
 Q27: What scripting language QTP of?  
A27: We can use scripting languages in QTP like Perl, shell and vb scripts.  
Q28: Per-Action Vs Shared repository?  
A28.1: U can relate this with Global Sheet and Local Sheet of Datatable  
A28.2: 1.Shared repository objects can be used for the entire test where as Per-action repository objects can be used for that particular action only.  
2. Shared repository occupies less memory compare to per-action repository.  
3. If any change occurs in application we need to make changes only once in shared repository where as per-action repository needs change in every action repository.  
A28.3: In per-action instructs QTP to refer to the external action repository whereas in shared instructs QTP to use test shared object repository for this action.  
A28.4: Per-action: In qtp we select per-action mode then for each action it creates an object repository. This type of process is memory wastage process.  
Shared repository: In qtp we select shared mode then for all actions it creates one object repository in a test. This not memory wastage process we can this repository in other tests also.  
 Q29: What are the abbreviations for tsr and mtr?  
A29: .tsr: Test Script Repository  
.mtr: Modular Test Repository  
.mts: Mercury Test Script  
.vbs: vb Script  
Q30: Difference between Call Run action and copy of action?  
A30: Call Run Action: It calls the existing action from the calling action. It calls the main action only. If we make any changes to that called action it will affect all other actions which called it.  
Copy of Action: It creates the copy of existing action. It is completely different from main action with its own Object  
Repository (in case of Per Action mode). If we change the main Action it will not affect its Copy and vice versa  
 Q31: Syntax for how to call one script from another? And Syntax to call one “Action” in another?  
A31: If u want to call the script from one action to another then the below syntax usedsuppose u have created a test1 ,in that you have created the all steps for action1.and you have created a action2 .now you want to call your script from action  
 run action “action1 (test1) iteration1″  
 Q32: How you automate test scripts one by one or module wise or all at once?  
A32: Test Automation is process which follows the framework designed for the company. This framework varies from one organization to other. Here are some basic steps which are followed in general…  
Step1: Segregate the test cases to be automated.  
Step2: Prepare the test data for the selected test cases  
Step3: Make scripts for repeatable or functional scenarios  
Step4: Convert those scripts as Reusable functions  
Step5: Make test scripts by calling the reusable functions and adding the conditions as per your requirements.  
 Q33: What is Expert view?  
A33: Expert view is one view in which VBscript is generated during recording.  
 Q34: Tell about descriptive programming in qtp8.2?  
A34: Descriptive Programming is all about identifying an object uniquely. And there is no defined frame work for it. Frame Work depends on the project.  
This is the code for Yahoo Photos Website you can do the same for the yahoo by changing the values in the required places.  
CODE: Browser (“title:=Yahoo! Photos\*.\*”).page  
(“title:=Yahoo! Photos\*.\*”).Web Edit (“name:=login”).set “srinivas”  
Browser (“title:=Yahoo! Photos\*.\*”).page(“title:=Yahoo!  
Photos\*.\*”).Web Edit(“name:=passwd”).set “test”  
Browser (“title:=Yahoo! Photos\*.\*”).page(“title:=Yahoo!  
Photos\*.\*”).WebButton (“name:=Sign In”).click  
 Q35: How u does batch testing in WR & is it possible to do in QTP, if so explain?  
A35: it is possible to run test batch in QTP, the option is  
Programs->Quick test professional->Tools->test Batch runner  
then it will open test batch runner window then u have to add the test that u want to automate for qtp tool, how to add the tests is..  
File->New  
Batch->Add  
like that u can add, what ever the test u want to automate  
 Q36: What is the extension of script and object repository files?  
A36: The extension for Script file is .mts and the extension of the repository file is .tsr   
Q37: What is the extension of script and object repository files?  
A37: Extension for test script :->  
\* The extension of Test Script File: .mts  
Extension for test repository :->  
\* The extension of test repository (per test): .tsr  
\* The extension of test repository (shared): .mtr  
 Q38: What is the difference between image and bitmap check point?  
A38.1: Image check point – It will capture your whole image.  
Bitmap Check point- Using this you can capture desired area of image or other portion.  
A38.2: Image checkpoint: by using image check point we can use path of the image and source it’s using only for web test  
Bitmap check point: by using this we can check versions variations and particular image before and after.  
A38.3: image check point we can use this in web testing to find the source and etc bitmap checkpoint to use this we can find the images difference and specific screen area differences  
   
Q39: HOW to invoke any recorded script in QTP with out using RECORD & PLAYBACK CONCEPT?  
A39.1: invoke\_record (path of the record)  
A39.2: by using reusable functions and calling them in the program  
 Q40: What is Tree view?  
A40: It is an icon based view generated during recording by QTP.  
 Q41: Tell about automation object model (Aom) in qtp?  
A41: Aom IS THE CONCEPT OF “TO AUTOMATE THE QTP ITSELF”  
 Q42: Tell me Three major differences between QTP & Winrunner?  
A42: a) Win runner using TSL for programming Resource availability is less but QTP using VB script we can find more resource.  
b) in QTP we can See the result With Step by step With Screenshot  
c) The GUI map can be difficult to understand and implement  
 Q43: What is Optional step?  
A43: When running a test, if a step does not succeed in opening dialog box, QTP does not necessarily abort the test run. It bypasses any step designated “optional” and continues running the test.  
By default, automatically QTP marks as optional steps that open certain dialog boxes. You can manually designate additional steps as optional.  
 Q44: What does VBS file contain…??? what is VBS file.. ???  
A44: vbs file contains the user defined functions which are reusable that can be used in our test or component according to our requirement  
 Q45: How QTP recognizes Objects in AUT?  
A45: Through object repository qtp can recognize the object in AUT  
 Q46: Take a situation when you are working with QTP, suddenly system has crashed. so you again start the system. My question is how can QTP directly opened when the system desktop appears.  
A46: we can set the error or event in the recovery scenario wizard and if the system faces such situation by the recovery scenario the system will get back to the desired action or events  
 Q47: How to create runtime property for an object?  
A47: Example:  
Browser(“abcd”).SetROProperty(“abs\_x”,158)  
 Q48: what is Unicode Compatibility???? How this does makes a difference from Win runner?  
A48: Unicode compatibility is nothing but u can Test Applns which are developed in other than English Language also.i.e QTP Supports Japanise,chinese language appls also.  
Where as win runner doesn’t support Unicode compatibility.  
 Q49: Can we do Load Testing with QTP?  
A49.1: You can not create a load in QTP.QTP is a functional regression testing tool.QTP can only act like 1 user.You need a tool like Load Runner to actually create a load.  
A49.2: As being an Regression Tool we cannot emulate Load on the tool as this tool is an Regression tool for the revisioning the Test of the Application.  
A49.3: NO because load testing is completely releated to performance testing and qtp is a completely functionality & Regression tool, so that we can not emulate the load test with qtp.  
A49.4: By using start transaction and end transaction options we can partially conduct performance testing. And also by using data driven testing (or looping one functionality using for loop we can partially conduct load Testing. But this can compare with load runner   
Q50: Explain about reusable actions?  
A50: If we want to use the ‘call to existing action’ option, we have to make an action as reusable action, for that we have to go for action properties and click the Check button. Let action1 is a reusable action then we call it to any other action. If we change the script in action1 it is affects in all actions in which we called action1.  
 Q51: How to make an Action as reusable?  
A51: Go to Tree View. Select the action and right click. Go to  
Action Properties and check the checkbox ‘Reusable action’.   
Q52: How many ways we can parameterize data in QTP?  
A52.1: There are four types of parameters.  
1. Test, action or component parameters.  
2. Data Table parameters.  
3. Environment variable parameters.  
4. Random number parameters.  
A52.2: four ways  
1) From Keyword driven/Tree view  
2) From Active Screen  
3) From Expert View  
4) From tool bar  
 Q53: How do you handle XML exceptions in QTP (Here it is Exception, not the checkpoint)  
A53: using recovery scenario in QTP we can handle any type of exceptions.  
 Q54: WHAT IS A TEST STRATEGY & WHAT IS THE DIFFERENCE BETWEEN TEST STRATEGY & TEST PLAN?  
A54.1: Test strategy is a company level document and which says the approach for testing. the test strategy doc also says that the scope, business issues, test deliverables, tools used ,risk analysis etc, where as test plan is document which says what to test, when to test ,how to test and who to test. The test plan document was prepared by the test lead.  
A54.2: Test strategy: I hope that brief version of your test cases  
Test plan: this is one of the document in your testing process, it contains testing environment, s/w & h/w requriements,test data creation etc.  
 Q55: What is test object model in QTP?  
A55: Test Object Model in QTP, is the combination of Test Object and Run Object information of the objects used.  
 Q56: Explain about the Test Fusion Report of QTP ?  
A56: Once a tester has run a test, a Test Fusion report displays all aspects of the test run: a high-level results overview, an expandable Tree View of the test specifying exactly where application failures occurred, the test data used, application screen shots for every step that highlight any discrepancies, and detailed explanations of each Checkpoint pass and failure. By combining Test Fusion reports with Quick Test Professional, you can share reports across an entire QA and development team.  
 Q57: How to Import data from a “.xls” file to Data table during Runtime?  
A57: datatable.Import (“file path”)  
datatable.Importsheet (“file path”, sheetid)   
Q58: How to get the column count and column name from the resultset in the database connection program?  
A58: you use following sql query  
select column name, count (column name) from table name.  
 Q59: In how many ways you perform batch testing?  
A59: Start-> Programs-> QuickTestPro-> Tools-> Test Batch Runner  
Here, you can call any number of scripts and run at once. All the scripts are run one after the other in the order they are placed in batch runner.  
 Q60: How many type of status messages are there.Explain?  
A60.1: micPass Status as Pass  
micFail Status as Fail  
micDone Status as Done  
example  
Reporter.ReportEvent misPass,”RequirmentNo:1.2.1″,”Update  
Functionality is Checked”  
A60.2:Status of the report step:  
0 or micPass: Causes the status of this step to be passed  
and sends the specified message to the report.  
1 or micFail: Causes the status of this step to be failed and sends the specified message to the report. When this step runs, the test or component fails.  
2 or micDone: Sends a message to the report without affecting the pass/fail status of the test or component.  
3 or micWarning: Sends a warning message to the report, but does not cause the test or component to stop running, and does not affect the pass/fail status of the test or component.  
   
Q61: After running scripts how you report results ,there is any specific report form?  
A61.1: report.reportevent event status,stepname,details  
A61.2: Using QTP utility statement we can send report to Test  
Result Window.Here the utility statement is syntax is  
report.reportevent event status,stepname,details  
Argument-1: event status is 4 types  
 1)micpass  
 2)micfail  
 3)micdone  
 4)micwarning  
Argument-2: The status of object we are going to report  
Argument-3: The details of the object.  
 Q62: 1) what is the Exact Meaning of Environment Variables? 2) What is Compile Module in QTP? What exactly it contains Functions or Actions?  
A62: Win runner contains compile module. But qtp does not support compile module. compile module means library files in qtp ,which contains functions not the actions.  
   
Q63: Associated files in QTP?  
A63; Associated files are the script files(in which the functions/methods are defined)  
Ex: If you want to add a associated file, make a file with functions in vb script, having extension .vbs  
Using the file.  
In Test ->Settings ->Resources. add a associated file by selecting from proper location.It can be made default for a test.   
Q64: How to export data present in Datatable to an “.xls” file?  
A64: DataTable.Export (“Path of the sheet”)  
or DataTable.ExportSheet(“Path of the sheet”,Index of the runtime data table u want to export”)  
 Q65: How can we retrieve ten rows from the data table using loop concept?  
A65: Assume “Column1″ is my column name in the Global Data table, then use this code:  
for i=1 to 10  
datatable.setcurrentrow (i)  
Return value=datatable.value(“Column1″,”Global”)  
Msgbox (return value)  
Next  
 Q66: What kind of errors can b handled in QTP in real time scenario?  
A66: 1) Pop-up Window  
2) Object state  
3) Test run error  
4) Application Crash  
   
Q67: Recovery Manager means..?  
A67: It provides a wizard that guides through the process of defining a recovery scenario. Here recovery scenario is a definition of an unexpected event and the operation(s) necessary to recovery the test run.  
 Q68: In how many ways we can add check points to an application using QTP?  
A68: 1. Place the cursor in the script where u want checkpoint and right lick in there option is there checkpoint.  
2. go after recording script u may go to active screen area there snapshots what ever u record in u r application that images will be there put u r mouse point to that image and right click there also u will get checkpoint option  
3. Insert menu—checkpoint  
 Q69: What is iteration? How it is related to Test Results in QTP  
A69: Here iteration means repeat the processes, with same values or different values, when You take the data driven test with different values… the test process repeats that much of time.  
 Q70: How you automate test scripts?  
A70: we can automate test scripts by means automation reference model, by whichwe can automate the qtp itself  
 Q71: Tell me few important differences Between QTP and Win Runner?  
A71.1: qtp:To compare static and dynamic images through qtp  
Win runner: to conduct testing on static images only.  
QTP: In this three types recording is possible they are 1)GENERAL RECORDING 2)ANALOG RECORDING 3)LOW LEVEL  
RECORDING  
WINRUNNER: In Win Runner two types of recording is possible  
they are 1)CONTEXT SENSITIVE RECORDING 2)ANALOG RECORDING  
A71.2: 1.QTP supports different technologies like SAP applications, Macromedia applications, PeopleSoft etc which is not supported by Win Runner  
Comparing to win runner it’s a user friendly tool. Using the QTP we can generate the clear results.  
We used to write the code in win runner is TSL and similarly it’s like C. QTP supports the VBS.  
A71.3: 1. QTP allows even novice testers to be productive in minutes. You can create a test script by simply pressing a Record button and using an application to perform a typical Business process. Each step in the business process is automated documented with a plain-English sentence and screen shot. Users can easily modify, remove, or rearrange test steps in the Keyword View.  
2. QTP can automatically introduce checkpoints to verify application properties and functionality, for example to validate output or check link validity. For each step in the Keyword View, there is an Active Screen showing exactly how the application under test looked at that step. You can also add several types of checkpoints for any object to verify that components behave as expected, simply by  
Clicking on that object in the Active Screen.  
3. You can then enter test data into the Data Table, an integrated spreadsheet with the full functionality of Excel, to manipulate data sets and create multiple test iterations, without programming, to expand test case coverage. Data can be typed in or imported from databases, spreadsheets, or text files.  
4. Advanced testers can view and edit their test scripts in the Expert View, which reveals the underlying industry standard VBScript that Quick Test Professional automatically generates. Any changes made in the Expert View are automatically synchronized with the Keyword View.  
5.Once a tester has run a script, a Test Fusion report displays all aspects of the test run: a high-level results  
overview, an expandable Tree View of the test script specifying exactly where application failures occurred, the  
test data used, application screen shots for every step that highlight any discrepancies, and detailed explanations  
of each checkpoint pass and failure. By combining TestFusion reports with Mercury Quality Management, you can share reports across an entire QA and development team.  
6. QTP also facilitates the update process. As an application under test changes, such as when a “Login” button is renamed “Sign In,” you can make one update to the  
Shared Object Repository and the update will propagate to all scripts that reference this object. You can publish  
test scripts to Mercury Quality Management, enabling other QA team members to reuse your test scripts, eliminating duplicative work.  
   
7. Quick Test Professional supports functional testing of all popular environments, including Windows, Web, .Net, Visual Basic, ActiveX, Java, SAP, Siebel, Oracle, PeopleSoft, terminal emulators, and Web services.  
 A71.4: In win runner 2 types of TSL test script i.e.  
1. Main test  
2. Compiled module  
But in QTP,  
 Only one type of test script i.e. Main test. It doesn’t support compiled module.  
 A71.5: Main difference between win runner & QTP is QTP Supports .net Applications & Full fledge java Applications, these are not supported by win runner.  
QTP having 9 check points where win runner is having 4 checkpoints.  
We can create reusable action in QTP but not in winner.  
These are the major differences.  
   
Q72: Use of Multiple Actions in QTP?  
A72: When we create a new test, it contains one action. by dividing ur tests into multiple actions; we can design more modular and efficient tests.  
 Q73: can we run the scripts of qtp 8.2 in the qtp7.0?  
A73: No, because 8.2 is the advanced version(add some additional properties) of 7.0.so,we run the scripts of qtp 7.0 in qtp 8.2  
   
Q74: How to covert a String to an integer?  
A74: you can use cint function  
Cint (10) will convert integer 1

Q75: Scalability testing comes under in which tool?  
A75.1: Scalability testing comes under performance testing. Load testing, scalability testing both are same.  
A75.2: scalability testing ors load testing or capability testing means performance testing, it comes under load runner testing tool  
Q76: What is Object Spy?  
A76.1: Object Spy is used to view the Run time and Test Object properties and methods of application  
A76.2: Object Spy is used to read the object properties & the physical description.  
 Q77: what is the use of VIRTUAL OBJECTS? explain ?  
A77: To enable Quick Test to click at the required coordinates during a run session, you can define a virtual object for an area of the bitmap, which includes those coordinates, and map it to the button class. When you run a test, Quick Test clicks the bitmap in the area defined as a virtual object so that the Web site opens the correct destination page.  
 Q78: Can u call win Runner scripts from QTP?  
A78: Yes we can call the Win Runner scripts from QTP using following function:  
TSLTest.RunTestExfrom the Expert view or Call to Win Runner test Dialog box  
 Q79: How to create a Runtime property for an object in QTP?  
A79: Using GetROProperty()  
   
Q80: What is the current version of QTP?  
A80: Mercury released beta version not full fledge 9.0  
 Q81: How to open any application during Scripting in QTP?  
A81.1: you can launch any exe files using following code  
systemUtil.Run “PATH\Filename.EXE”  
Ex:  
systemUtil.Run “C:\Calc.exe”  
A81.2: invoke application (PATH\Filename.EXE”)  
 Q82: What is keyword view and Expert view in QTP?  
A82: Quick Test’s Keyword Driven approach, test automation experts have full access to the underlying test and object properties, via an integrated scripting and debugging environment that is round-trip synchronized with the Keyword View.  
Advanced testers can view and edit their tests in the Expert View, which reveals the underlying industry-standard VBScript that Quick Test Professional automatically  
generates. Any changes made in the Expert View are automatically synchronized with the Keyword View.  
   
Q83: can we enable smart identification for test object  
A83.1: We can do using ‘Enable Smart Identification’ check box in ‘Object Identification’ in Tools menu.  
A83.2: Tools->Object identification->check the check box Enable smart identification  
 Q84: What is smart identification?  
A84: Smart identification comes into picture when Quick Test fails to recognize an object uniquely using the recorded  
Properties. It follows the following process to identify the object:   
1.Quick Test “forgets” the recorded test object description and creates a new object candidate list containing the objects (within the object’s parent object) that match all of the properties defined in the base filter property list.  
2.From that list of objects, Quick Test filters out any object that does not match the first property listed in the Optional Filter Properties list. The remaining objects become the new object candidate list.  
3.If the new object candidate list contains more than one object, then step 2 is repeated with the second property  
Listed in Optional Filter Properties list.  
4.Step 3&4 are repeated until an the object in recognized uniquely.  
 Q85: What type of VB script u had done in expert view?  
A85: In Expert view we can use the VB keyword for scripting like Function:  
1. Mid Returns a specified number of characters from a string.  
2. Strcom Returns a value indicating the result of a string comparison.  
3. Instr Returns the position of the first occurrence of one string within another.  
4. Isdate Returns a Boolean value indicating whether an expression can be converted to a date.  
so many functions are there that you can use in the expert view.  
 Q86: I have recorded a test over web application (with IE6.0) in analog mode. But, while running it my test gets failed. Why? (Note: my systray has 3 open web applications)  
A86: QTP provides an option to enter the url on which you are going to run the script. If u doesn’t provide this, the script might NOT recognize the url as you have said you have opened 3 IE windows.  
 Q87: What are Environment Variables?  
A87: In qtp the variable which you have in one action cant be used in some other action, so by using environment variables we can use the variables in one action in to another action.  
 Q88: I have 5 no. of Action in my Test. Out off which i should make 3rd action as my start-up action. How should i make it?  
A88: The only way we can do is through the “Test Flow”.  
You can switch to the “Keyword View” and choose “Toolbars” under “View” and then choose “Action”. This will provide u with a new combo box where u can choose “Test Flow”. Then u can drag and arrange the Actions in which ever order u want them to get executed.  
 Q89: How to suppress warnings from the “Test results page”?  
A89.1: if you want Pass result in the Result page  
Reporter.reportevent micPass …  
if you want fail result in the Result page  
Reporter.reportevent micFail…  
if you want Warning result in the Result page  
Reporter.reportevent micWarning…  
if you don’t want any result symbol only u want text in the Result page  
Reporter.reportevent micDone…  
   
A89.2: From test result window, Click View->Filter menu then uncheck the warning check box to filter the warning from the test result.  
 Q90: Which object repository we use in real time and can we merge 2 object repository and how?  
A90: There are usually two types of object repository  
1. Shared Mode (.Tsr)  
2. Per-Action (.Mtr)  
We usually use 1.Shared Mode (.Tsr) object repository.  
We can merge two object repositories. If you go to  
QTP–>Test–>Settings–>Resources  
You can use the Resources tab of the Test Settings dialog box to associate specific files with your test, such as VBScript library files and Data Table files, and to specify the object repository mode and file to use for your test  
 Q91: What is Active Screen in QTP?  
A91: In Active Screen window, QTP captures AUT screens and highlights the object on which we perform action during recording.  
 Q92: when you press a link it displays “the page cannot be displayed” then as a tester how you will find the problem, what type of problem must be it?  
A92: If we can’t predict that specified error is occurred at specified event then we will go for the recovery scenario. This handles the four types  
1. Pop-up window  
2. Object state  
3. Test run error.  
4. Applicatin crash  
 Q93: How to capture screen shots when an error occurs?  
A93.1: If (———-) Then ‘Error Occurs  
 Browser (“abcd”).micType micALT+micPRTSCR  
A93.2: Browser (“browser\_name”).Page (“page\_name”).Capture Bitmap  
“C:\snap.bmp”  
 Q94: What do you do if QTP doesn’t recognize object, what action should be taken?  
A94.1: first of all we have find the object by means of object repository if it is not identifying the nature of the object we can go for object identification ,even though if QTP is not recognizing the object we can map the object by means of virtual manager wizard.  
A94.2: Using Virtual Object wizard Qtp,  
Other one is Smart Identification.  
A94.3: QTP does not recognize the object means, you don’t have proper add-ins. In this case, QTP treats the objects as non-  
Standard objects. We can map these non-standard objects to standard objects by using virtual object wizard. Once mapped successfully, QTP can identify the objects.  
 Q95: How to handle Run-time errors?  
A95: QTP have Recovery scenario concept we can handle run time error through Recovery Scenario.  
   
Q96: How to use Regular Expressions in QTP? give an example.  
A96: In QTP, dealing of Regular Expressions and varying object descriptions can be handled by using Description Programming.  
An example of using Regular expression is:  
u just record yahoo login operation and click on Inbox link.  
Assume u got 10 new mails, then it shows like Inbox (10).  
Read one mail, now it shows like Inbox (9). Now try to play the recorded script. It wont work. Now use Regular expression in Inbox link like:  
“Inbox.\*”. At that time it will work.  
   
Q97: Can the mode of object repository be change during run time? E.g. if the mode is per-action during design time can i change it to shared and vice-versa? Any scripting possible?  
A97: Once if we save any of the two modes, we cannot change them in to other mode. Because the Object Repository type option  
box under Resources Tab becomes disable. Using script also it is not possible, the same problem comes here also  
 Q98: Explain the check points in QTP?  
A98: A checkpoint verifies that expected information is displayed in a Application while the test is running. You can add eight types of checkpoints to your test for  
Standard web objects using QTP.  
•A page checkpoint checks the characteristics of a Application  
•A text checkpoint checks that a text string is displayed in the appropriate place on a Application.  
•An object checkpoint (Standard) checks the values of an object on an Application.  
•An image checkpoint checks the values of an image on a Application.  
•A table checkpoint checks information within a table on a Application  
•An Accessibility checkpoint checks the web page for Section 508 compliance.  
•An XML checkpoint checks the contents of individual XML data files or XML documents that are part of your Web application.  
•A database checkpoint checks the contents of databases accessed by your web site  
   
Q99: How to retrieve the property of an object in QTP?  
A99: using Getroproperty(“text”) we will find out the what ever object properties u want other wise by using object spy also we will get object properties  
   
Q100: What are the types of Object Repositories in QTP?  
A100: 1 per section rep (.mtr)  
2 shared object repository (in real time we use this).tsr  
   
Q101: what r advance features u had done in QTP?  
A101: 1. I used regular expression concept.  
2. Test Batch run.  
3. Calling existing action.  
   
Q102: How to change the run-time value of a property for an object in QTP?  
A102: suppose if u want to change runtime property of the edit box simply type  
Browser (“”).page (“”).winedit (“username”).set “bhaskar”  
 Q103: How to change the run-time value of a property for an object in QTP?  
A103: Use ‘SetToProperty’ method of an object to change the property of object at run-time….  
Example:  
Browser (“”).page (“”).winedit  
(“Username”).setToProperty “Property”, Value Property can be any physical property of the object such as Name, type, color……..  
   
Q104: Use of Debug Viewer?  
A104: Debug viewer is used to view, set, or modifies the current value of object and variables in test when it stops at break point to look at the values of variables at run time for easy debugging.  
 Q105: What is the enhancements u did after recording ur script?  
A105: After recording script:  
\* Placing for loop or If loop in order to get the messages as the operation passes or fails.  
\* Adding the Checkpoints in order to check the functions.  
\* Doing parameterization in order to using the multiple data for more than one iteration or easy data changes.  
 Q106: How to merge object repositories?  
A106: In QTP8.2 provide a facility to add repositories. When u installed qtp 8.2 software to show a option in Tools Merge object Repositories. Through which U can add object Rep.  
   
Q107: Difference between Low-Level and Normal Recording Modes?  
A107.1: Low-Level Recording: Is useful if the exact coordinates of the object are important for your test.  
Normal recording: Is useful when the recording operations that cannot be recorded at the level of an object.  
A107.2: Low level record is used to record the session even the object is not recognized by the QTP  
A107.3: Normal Level Is Object Context Level; where QTP recognize object with Physical Description Of only interacted object.  
Low-Level Recording—enables you to record on any object in your application, whether or not Quick Test recognizes the specific object or the specific operation. This mode records at the object level and records all run-time objects as Window or Win Object test objects. Use low-level recording for recording in an environment or on an object not recognized by Quick Test. You can also use low-level recording if the exact coordinates of the object are important for your test or component.  
 Q108: What is API?  
A108: Application program interface  
   
Q109: What is the differnce between action & script?  
A109: A sequence of related statements is called “Action”.  
But a script will contain more than one Action  
 Q110: How you handle Pop-up windows which are dynamically changing in Runtime?  
A110: We use smart-identification for this  
   
Q111: what happen in object repository (shared)if we call an existing action from an external action ? and what happen in object repository (per action)if we call an existing action from an external action ?  
A111: The existing action already recorded the objects into object repository pertaining to the when you call the external action; it will add the objects to the existing one.   
Q112: How to export QTP results to an “.xls” file?  
A112.1: In qtp automatically .xls file will export to result window  
A112.2: Datatable.export stmt  
 Q113: How to “Turn Off” QTP results after running a Script?  
A113: Go To Menu. Tools > Options > Run (Tab)  
Uncheck the “View Results when run session ends”  
It will turn Off the QTP.  
 Q114: How to open an application through scripting?  
A114.1: We can use SystemUtil.run method or Invoke Application statement to open the application.  
A114.2: Suppose you trying the web application use the following script  
web\_browser\_invoke (URL);  
A114.3: For web applications we use  
web\_browser\_invoke (IE,”http://mail.yahoo.com/”);  
For other applications:  
invoke\_application (“uday.exe”,”Directory  
Path”, SW\_SHOW/SW\_SHOWMAXIMISED/SW\_MINIMISED);  
A114.4: Browser (“Browser”).Navigate (“URL”)  
A114.5: Browser = “IE”  
StartURL = “www.hotmail.com”  
IF Browser = “IE” THEN  
 Set IE = CreateObject (“InternetExplorer.Application”)  
 IE.Visible = true  
 IE.Navigate StartURL  
END IF  
   
Q115: How to change the Default synchronization method time and where?  
A115.1: Test->Settings->select Run tab and change the default value  
A115.2: Default synchronization method time can be changed by:  
In Menu Test->Settings, choose the tab “Run”, change the Object synchronization timeout.  
 Q116: what is the Command used to start the QTp from Run.(start-> Run)  
A116: systemutil.run”path of the file”  
 Q117: Tell me the situations where we will use Data Driven?  
A117.1: If v r testing an application which generates reports on different dates, login page, an application which uploads different files on different dates etc.  
A117.2: When u want to test functionality of an application with multiple sets data then u go to DATA DRIVEN TEST.  
It is very difficult to test in manual for that we go to DATA DRIVEN TEST.  
   
Q118: Explain QTP testing process?  
A118: QTP testing process is  
1: Preparing for Record and Run settings  
2: Develop the basic script  
3: Edit the script  
4: Debug the script  
5: Run the script  
6: Analyze the results  
7: Summarize the results  
 Q119: How u perform exception handling in QTP? what is other name for this?  
A119: The other name for Exception handling is Recovery scenario.  
There are 4 Triggers  
1. Popup Window.  
2. Object State.  
3. Test Error.  
4. System Crash.  
The solution is  
1. Function call.  
2. Keyboard or mouse Operation.  
3. Restart.  
   
Q120: Use of environment variables?  
A120.1: Environment values can be used in any Action of your script, those act as Global Variables  
A120.2: The variables declared in Action1, we cannot able to use them in Action2. So, using Environment key we can access any variable in any Actions. These variables are known as environment variables.  
Q121: Synchronization methods?  
A121: In QTP, Only one type of synchronization method is there.  
Object/window property.  
\*  
   
Q122: How Does Run time data (Parameterization) is handled in QTP?  
A122: You can then enter test data into the Data Table, an integrated spreadsheet with the full functionality of Excel, to manipulate data sets and create multiple test iterations, without programming, to expand test case coverage. Data can be typed in or imported from databases, spreadsheets, or text files.  
Q123: What is throw object?  
A123: It is exception handling  
Q124: What is the limitation to XML Checkpoints?  
A124: An XML checkpoint checks the contents of individual XML data files or XML documents that are part of your Web application.  
Q125: What is the use of Accessibility check point?  
A125.1: Accessibility check point identifies areas or ur web site that may not conform to the W3C web content accessibility guidelines.  
A125.2: When u develop a web application it is necessary to fallow the W3C guidelines. the Accessibility Check Point is used to find whether the web application fallow the W3C guidelines or not.  
Q126: We are submitting data one form to another form.defaultly it is time period set as 5sec. but it is taken 15sec what to do?  
A126: Synchronizing the data or we can also use the delay () function with the specified time intervals.

**Difference between QTP8.2 and QTP9.0/QTP9.2**

06/07/2009 — Ganesh Raman

ver and above features provided with QTP 9.0 , QTP 9.2 provides following features:  
Mercury Screen Recorder :  
Capture your entire run session in a movie clip or capture only the segments with errors, and then view your movie from the Test Results window.  
Dynamic Management of Object Repositories:  
QuickTest now has a new RepositoriesCollection reserved object that you can use to programmatically manage the set of object repositories that are associated with an action during a run session.  
Over and above features provided with QTP 8.2 , QTP 9.0 provides following features:  
Object Repository Manager:  
You can use the Object Repository Manager to manage all of the shared object repositories in your organization from one, central location. This includes adding and defining objects, modifying objects and their descriptions, parameterizing test object property values, maintaining and organizing repositories, and importing and exporting repositories in XML format.  
You can open multiple object repositories at the same time. Each object repository opens in its own resizable document window. This enables you to compare the content of the repositories, to copy or move objects from one object repository to another, and so forth.  
Object Repository Merge Tool:  
You can use the Object Repository Merge Tool to merge the objects from two shared object repositories into a single shared object repository. You can also use the Object Repository Merge Tool to merge objects from the local object repository of one or more actions or components into a shared object repository.

When you merge objects from two source object repositories, the content is copied to a new, target object repository, ensuring that the information in the source repositories remains unchanged.

If any conflicts occur during the merge, for example, if two objects have the same name and test object class, but different test object descriptions, the relevant objects are highlighted in the source repositories, and the Resolution Options pane details the conflict and possible resolutions.  
Multiple Object Repositories per Action or Component:  
QuickTest provides several options for storing and accessing test objects. You can store the test objects for each action or component in its corresponding local object repository, which is unique for each action and component. You can also store test objects in one or more shared object repositories that can be used in multiple actions and components. Alternatively, you can use a combination of objects from the local object repository and one or more shared object repositories. You choose the combination that matches your testing needs.  
XML Object Repository Format:

QuickTest now enables you to import and export object repositories from and to XML format. This enables you to modify object repositories using the XML editor of your choice and then import them back into QuickTest. You can import and export files either from and to the file system or a Quality Center project (if QuickTest is connected to Quality Center).  
Function Library Editor:

QuickTest now has a built-in function library editor, which enables you to create and edit function libraries containing VBScript functions, subroutines, modules, and so forth, and then call their functions from your test or component.  
Handling Missing Actions and Resources:  
Whenever a testing document (test, component, or application area) contains a resource that cannot be found, QuickTest opens the Missing Resources pane and lists the missing resource(s). For example, a test may contain an action or a call to an action that cannot be found; a testing document may use a shared object repository that cannot be found; or a testing document may use a object repository parameter that does not have a default value. In all of these cases, QuickTest indicates this in the Missing Resources pane, enabling you to map a missing resource to an existing one, or remove it from the testing document, as required.

**Miscellaneous features In QTP 10.0**

11/07/2009 — Ganesh Raman

General look and feel: QTP has departed from the old Tab layout, and into the more modern settings-tree layout (similar to Office, EMule, Adobe, and pretty much every other program). It’s nice, but nothing as groundbreaking as the transformation in QTP 9.0.  
Bitmap Checkpoint improvements: These include presenting the size of the selected area when choosing to check only a part of an Image, as well as the ability to plug your own custom DLL for comparing images. I suppose that there are some projects for which this can actually be quite revolutionary. Another great addition is the ability to see the difference between the expected and actual bitmaps in a separate tab.  
API changes: QTP Automation API will receive several upgrades, the most noteworthy of which is the ability to read and write that code of the test you’ve opened. Writing the code will not effect an ongoing run-session (there goes my ambitious try-catch implementation for QTP), but it still opens the door for some creative tweaks and hacks…  
Saving a test with all linked resources: For those who’re working with QC, this is a real blessing. Up until QTP 10, copying a QC saved test to your local system was a hellish procedure of changing each and every resource and action reference to your local file-system. QTP and QC Atlantis offer a one-click solution for copying a test and all its resources to your local file-system, and automatically changing all the references accordingly.  
Dynamic Action Call: I’ve saved the best for last. QTP 10 presents a new native command – LoadAndRunAction. It allows you to load external actions during the run-session, without having to associate them with your test beforehand. All the run-time debug abilities will be available for these dynamically added actions, so you’re not giving anything up by using this feature. I think it’s a long awaited feature, and a well executed one.  
Other miscellaneous tweaks and improvements will be presented in the final release.  
Conclusion  
QTP Atlantis’ feature set can be described both as long-overdue, and as quite revolutionary.  
For those who’re working with QC, the source control features will blow your mind. The intellisense features answer most of the pressing problems with QTP’s IDE, although some critical omissions (such as debug and VBScript Classes intellisense) hamper the overall effect. On top of all these, the new reporter functionality, dynamic action calls and API changes offer valuable improvements both to first-steppers and to advanced QTP programmers.  
Beside the actual functionality, it seems that HP has paid attention to the UI as well. The features seem to be conveniently accessible, Simplified (though not over-simplified), and the whole look-and-feel seems to hit the spot. It’s nice to see that QTP 9.5 attention to UI has effected the long-term thinking of the development team.

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| --- | --- | --- |
| **Re: how to call multiple scripts in QTP at a time** | | |
| **Answer** # [1](http://www.allinterview.com/viewpost/295160.html) | By Using Test Batch Runner....we can execute a group of  script files at a time.     |  |  |  | | --- | --- | --- | |  |  |  | | 0 | **Nandankumar** |
|  | | | |
|  | **Re: how to call multiple scripts in QTP at a time** | | |
| **Answer** # [2](http://www.allinterview.com/viewpost/295545.html) | could you please explain me in detail?  gimme some example...  how to use batch test by using QTP tool and can we write a  script for this?     |  |  |  | | --- | --- | --- | |  |  |  | | 0 | **Sonu** |
|  | | | |
|  | | | |
|  | | | |
|  | | | |
|  | **Re: how to call multiple scripts in QTP at a time** | | |
| **Answer** # [3](http://www.allinterview.com/viewpost/295983.html) | Open test batch runner from Start-Programs-qtp-tools-test  batch runner.  Create multiple script files and add to the test batch  runner as batch file with the extension of .mtb  when ever you require just open the batch file and select  desired scripts and execute. |  |  |