**Types of object repositories**

QTP Supports 2 types of Object Repository

1) Shared Object Repository (also called Global)

2) Per-Action Object Repository, (also called Local)

Per-Action Object Repository is used by default. The extension for Per-Action repository is ".mtr" .

Shared Object Repository is preferable while dealing with dynamic objects which are called in multiple tests. The extension is ".tsr"

what is the use of descriptive programming, how to use it with sample code?

**how to select items in drop down box**

**how to select all child items or how to find number of buttons/checkboxes on a form?**

You can use ordinal identifiers like index along with a little **descriptive programming for object recognition.** Watch a [video](http://www.guru99.com/quick-test-professional-qtp-tutorial-33.html) of this example

**how to find broken links in a webpage?**

**= “link”**

You can use the Page Checkpoint which gives a count of valid/invalid links on a page.

**difference between actions, procedures and sub**

**Actions** have their own Object Repository & Data Table. Actions help make your Test modular and increase reuse. Example: You can divide your script into Actions based on functionality like Login, Logout etc.

**Functions** is a VB Script programming concept and do not have their own Object Repository or Data Table. Functions help in re-use of your code. Ex:  You can create a Function in your script to concatenate two strings.

**Explain how QTP identifies object ?**

QTP identifies any GUI Object based on its corresponding properties.  While recording, QTP will identify and store peculiar properties (as defined in the Object Identification settings) in the object repository of the GUI object . At run-time, QTP will compare the stored property values with the on-screen properties, to uniquely identify the GUI object.

different ways of identifying objects

**http://www.softwaretestinghelp.com/qtp-tutorial-7-how-qtp-identify-objects-uniquely/**

**what is driver script in QTP?**

DRIVER SCRIPT initialize qtp to run....

it is written using vb script this script launches the qtp and the aut ( application under test ) and it passes the test data from the datatables and it invokes the library functions and the result is sent to the result xl datafile

objects are added to object repositary

dtivers script ----> contrOl file ----> QTP - LIBRARY

FUNCTIONS ----> OBJECT REPOSITARY ---> DATATABLE ---->

RESULT DATATABLE

driver script is a part of qtp framework....

**how to implement data driven framework, hybrid, keyword driven framework**

**What are Virtual Objects?**

Your application may contain objects that behave like standard objects but are not recognized by QTP. You can define these objects as virtual objects and map them to standard classes, such as a button or a check box. QTP emulates the user's action on the virtual object during the run session. In the test results, the virtual object is displayed as though it is a standard class object.

For example, suppose you want to record a test on a Web page containing a bitmap that the user clicks. The bitmap contains several different hyperlink areas, and each area opens a different destination page. When you record a test, the Web site matches the coordinates of the click on the bitmap and opens the destination page.

To enable QTP 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, QTP clicks the bitmap in the area defined as a virtual object so that the Web site opens the correct destination page.

what are different checkpoints

**how to connect to database?**

To connect to the database you must know

a) connection string of your server

b) username

c) password

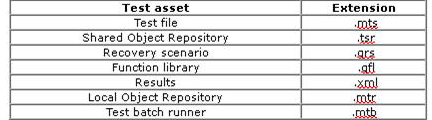
d) DNS name

You can code the database connectivity command directly or you can use the SQL Query tool provided by QTP.

**how to create libraries**

**how to create global modules or vba files and how to associate them to script?**

**what are different types of files we handle in qtp with extension?**

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**difference between UFT and qtp?**

**What is AOM**

**How to connect QTP and QC**

**How to perform Cross platform testing and Cross browser testing using QTP? Can u explain giving some example?**

You will need to create separate Actions which take care of different OS and Browsers

Cross Platform Testing:

Using the Built in Environment Variable you can dig up the OS information.

Eg. Platform = Environment("OS"). Then based on the Platform you need to call the actions which you recorded on that particular platform.

**Cross Browser Testing:**

Using this code  Eg. Browser("Core Values").GetROProperty("version") you can extract the Browser and its correspondin version. Ex: Internet Explorer 6 or Netscape 5. Based on this value you call the actions which are relevant to that browser.

**How to connect to QC in UFT?**

To connect with QC, UFT provides the option to connect QC directly from UFT GUI.

a)      Go to file menu

b)      Select (QC) quality center

c)       You will be asked to - Enter QC url

d)      Enter user id, password and project

Following above steps will allow you to connect with QC, later on you can execute the tests from QC itself.

**How to add synchronisation points in QTP?**

There are 4 ways through which we can add synchronisation points in QTP

a) **Wait statement** :  This statement will pause the execution for x seconds until object comes up

b) **Wait property** : This method will wait until property of object takes particular value

c)  **Exist statement** : This statement will wait until object becomes available

d)  **Sync method**: The code will wait until browser page is completely loaded. For web application testing this method is used.