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1. **1. What are the advantages of Automation?**
   1. **Repeatable:-**If we have to run a set of tests repeatedly, automation is preferable.

It gives you the ability to run automation against code that frequently changes to catch regressions in a timely manner

It gives you the ability to run automation in mainstream scenarios to catch regressions in a timely manner

1. **Compatable: -**Automated tests can be run on different machines with , whereas the manual tests would have to be run sequentially.(different languages on different OS platforms).
2. **c. Reliable:-**
3. **d. Reusable:-**Automated scripts can be reusable in different environments and different applications on similar functionalities.

2. When do you opt Automation?

* If application is complex.
* When there are frequent changes in the requirements or enhancements in the application.
* When there is lot of Retesting to be done.
* When we are verifying Compatibility.

3. What are the new features of QTP 9.5?

**Maintenance Run mode:-**It enables to update our tests and repositories at run time.

**Checkpoint and output object repository:** All the checkpoints and output values Properties are stored/captured in the object repository, configuring the checkpoint and output value properties can be done from the Object Repository.

**New repository Options:-**we can drag and drop the object from object repository into test or component, which will by default generate a script.

4. What are the recording modes in QTP?

A. QTP provides three types of recording methods to record operations:

**Standard Recording (Normal) mode:**-It is the default mode, which records all operations on application.

**Analog Recording Mode: -**Records all operations of mouse and keyboard based on screen coordinates or application coordinates.

**Low Level Recording: -**We use low level recording to record the operations of mouse and keyboard operations based on its coordinates.

6. When do you use Low Level recording?

**Quickest pro.** May not identify all objects when quickest fails to identify an object during standard recording and to record operations where exact coordinates are required. This mode records at the object level and records all run-time objects as Window or Win Object test objects.

7. What do you mean by standard and custom objects?

Standard objects are the objects, which are belonging to all types of applications where as Custom objects are user-defined objects, which exist in an application.

8. What the different checkpoints in QTP?

There are different checkpoints in QTP like

a. Standard Checkpoint

b. Text Checkpoint

c. Text Area Checkpoint

d. Database Checkpoint

e. Bitmap checkpoint

f. Accessibility checkpoint

g. XML Checkpoint

h. Page Checkpoint

i. Table Checkpoint

j. Image Checkpoint

9. Do you use checkpoints in your project?

Yes, I use checkpoints at the data validations of input domains present in the application using regular expressions. As a checkpoint verifies that expected information is displayed in an Application while the executing the test.

10. How do you validate any property of a Runtime Object?

A. Using standard checkpoint or Using GETRO property method we can validate properties of every object on the apllication during Runtime

Syntax: variable=Object Type(“Object Name”).getroproperty(“property name”)

Note: The above will fetch the property value of an object and will be stored in the variable and if we have to validate that then we need to write a conditional statement (IF..)

Ex: If you want to check the enabled property of an object during runtime.

X=Browser(“Yahoo”).page(“Yahoo”).frame(“Login”).image(“Login”).getroproperty(“enabled”)

If X=”True” then

Reporter.reportevent micpass “Login Image”,”Is Enabled”

Else

Reporter.reportevent micfail, “Login Image”, “Is Disabled”

11. How do you fetch a property of a test object from the script during runtime?

A. Using GETTOPROPERTY

Syntax: variable=object type (“object name”).gettoproperty(“property name”)

EX: To fetch the window id property of Agent Name which is captured in Object Repository

X=dialog(“Login”).winedit(“Agent Name:”).gettoproperty(“window id”)

12. How do you fetch all the properties of a test object from the script during runtime?

A. Using GETTOPROPERTIES

Synatx: set variable=object type(“object name”).gettoproperties()

EX: To fetch all the properties of Agent Name which is captured in Object Repository

1. set X=dialog(“Login”).winedit(“Agent Name:”).gettoproperties()

Note:

1. While fetching all the properties of a test object, they should be assigned to an array using a keyword called set and if you want to access all the properties we need to specify the index value and the index starts from zero.

2. Both getoproperty and gettoproperties will work only on the test objects and will or can fetch only the properties associated with the test objects in object repository, where as gettoproperty can fetch any property value associated with a runtime object (i.e. the object on the application during runtime)

13. When a property of an object is changed on the modified build or what if more than object have more than one objects have similar properties due to which the script is failing, how do you handle this situation during runtime without changing the configuration of object identification.

A. Using SETTOPROPERTY

Syntax: Object Type(“Object Name”).settoproperty “Property name”, “property value”

Ex: Dialog(“Login”).winedit(“Agent Name:”).settoproperty “attached text”, “Agent Name:”

14. How do you check the availability of an object on the application during runtime?

A. Using “Exist” method.

Syntax: variable=object type (“object name”).exist

Ex: x=dialog (“Login”). Winedit (“Agent Name:”). exist

Note: It will return true if the object exists on the application, if not it returns false

15. How do you maximize a window or screen or page

A. Maximize or fullscreen

Syntax: 1. Object Type(“Object Name”).maximize

2. Object Type(“Object Name”).maximize

16. How do you minimize a window or screen or page

A. Minimize

Syntax: Object Type(“Object Name”).minimize

17. How do you open a window or screen or page, which is minimized in the launch bar?

A. Restore

Syntax: Object Type (“Object Name”).restore

18. How do you move a window or screen or page?

A. Move, by providing the x and y coordinates

Syntax: Object Type (“Object Name”).move x,y

19. How do we get the count of items in a List or a Combo box?

A. Using Get items count method

**Syntax:**variable=Object type (“Object name”).getitemscount

**Ex:**Verifying no. of items, in "Fly From" Combo Box in Flight Reservation window

z = Window("Flight Reservation").WinComboBox("Fly From:").GetItemsCount

20. How do we fetch a specific item from a List or a Combo box?

A. Using Getitem()

**Syntax:**variable=Object type(“Object name”).getitem(index number)

**Ex:**Fetching a specific item, from a "Fly From" Combo Box in Flight Reservation window

z = Window("Flight Reservation").WinComboBox("Fly From:").GetItem(5)

Note: the index value starts from zero

21. How do we fetch the complete list of items from a List or a Combo box?

A. Using Getcontent

**Syntax:**variable=Object type(“Object name”).getcontent

**Ex:**Fetching all the items, from a "Fly From" Combo Box in Flight Reservation window

z = Window("Flight Reservation").WinComboBox("Fly From:").Getcontent

22. How do we the text displayed on the runtime object

A. Getvisibletext()

Syntax: variable=Object Name (“Object type”).getvisibletext()

Ex: x=window(“Flight Reservation”).winedit(“Name:”).getvisibletext()

23. What are Test objects and run time objects?

**Test objects** are stored representations of the actual objects on an application. QuickTest creates test objects by learning a set of the properties and values of the objects on an application.

**Run-time objects**are the objects that are available on Application Under Test.

24. How do you add objects to object repository?

A. We can add objects to object repository in two ways:

i) From Object Repository:

Navigation: Resources à Object Repository à Object à Add objects to local

ii) From Active Screens:

Navigation: Right click on the object in activescreens and select view/add object.

25. How do you add objects to object repository when the application is not available?

A. By creating a new test object

Navigation: Resources à Object Repository à Object à Define New Test Object

26. How do you convert the local objects as reusable objects?

A. By exporting the local objects from object repository and storing them in shared repository file.

Navigation: Resources à Object Repository à File à Export Local Objects

27. What is the file extension of shared Repository file?

A. .tsr à Test shared repository

28. How do you associate shared object repository to an action?

Navigation: Edit à Action à Action Properties à Associate Repositories

29. How do you assosiate shared object repository for multiple actions in a test?

A. Navigation: Resources à Object Repository à Tools à assosiate Repositories

30. How many actions you can create in a test?

A. There can be any number of actions created in a single test.

31. What are the action properties and test properties?

A. Action properties are the properties for the current action only, where as test properties belonging to total action properties in the current test.

32. What are the methods associated with actions in reusing the actions

A. 1) Call to Copy of Action

2) Call to Existing Action

33. What is difference between subroutine and function?

A. Subroutine doesn’t return any value where as function returns a value.

34. What is difference between passing parameters to functions as ByVal and ByRef?

A. Using ‘Call by Val’ values can be passed directly to variables where as ‘Call ByRef’ values can be passed based on the reference.

35. What is Option Explicit?

A. When used, makes mandatory to declare the variables in the script using a DIM (Dimension) statement.

36. How do you perform exception handling in QTP?

A. I) By using recovery Scenarios

II) **On error resume next**, it is to skip the line and goto next line in the script and **On error goto 0**,it is to disable the exception handling process.

When an error is occurred during the test execution the error details can be captured, by using **err. Description** and we can capture the error number by using **err.Number**

37. What are the run modes in QTP?

In QTP9.5 we have 3 run modes

* Normal Run Mode
* Update mode Run Mode
* Maintainence Run Mode

38. When you use for example wait (10); & default time in QTP is 20 seconds; if object is not found then how many seconds the script will wait?

A. It waits for 10 seconds at wait statement and waits for 20 seconds if the object is not available and then throughs an error.

39. What is the meaning of below statement?

Browser("brname"). page("Pgname").sync

40. What is the syntax for the wait property?

A. Object type(“object name”).waitproperty “Property name”, “Property value”, “time in seconds”

41. What is the file extension of a bitmap checkpoint?

A. **.png** or **.bmp**

42. What do you mean by call to copy of action and call to existing action?

(i) We can call both normal and reusable actions using call to copy an action and the called action canbe edited.

(ii) We can call only the reusable actions using call to existing actions and these are considered as external actions, which are non editable.

43. How do you convert a normal action into reusable action?

A. Edit menuàActionàAction PropertiesàGeneralàReusable Action

(Or)

In Test Pane Right clickàAction Propertiesà General à Reusable Action

44. How do you edit objects in shared object repository?

A. Slecect Object Repository Manager from Resources Menuà Open the Shared repository file à Select Enable editing option à then we can edit objects asper requirements.

45. What is debug viewer?

A. To view the variable values during execution of the script, change variable values during runtime. Etc

46. How do you use watch expression?

A. It is to monitor the specific variables declared under Watch during runtime. In Watch the value that is passed to a variable in the script will be captured.

47. During running the program, there is an uninterrupted expectation from the application, which stopped QTP script execution, how do you handle?

A. Before the start execution of a test batch I raise test run error trigger event and select the recovery scenario as ‘restart the testrun’ so that the testscript sart execution again.

48. What is step generator?

A. We can insert functions in the script from step generator, insert menu-à step à step generator à select the categoryà select the function à specify the parameters à ok

49. What is the extension of QTP Script file?

A. .mts(mercury test script)

50. Suppose there are 5 actions in a test, if you want to run only 3,5 actions how do you do?

A. Save the testàopen the saved test folderàopen the Action0 folderàopen(click on edit) the script fileàthen Commentize the Action1,2,4à Save the fileàopen the test file on QTP& Run the test.

51. What is the extension of Local object repository?

A. .mtr(mercury test repository)

52. What is the extension of shared object Repository?

A. .tsr(test shared repository)

53. What is the extension of library file?

A. When we creates & saves a library file it saves with the extension “.vbs(vbscript file)”

54. How do you return a value from a function?

A. By selecting call by return value in function definition generator in insert menu.

55. What is the syntax to define a function?

A. Public function function name(parameters)

----

---

End Function

56. Can you write script to login; suppose browser name is b1, page nameis p1, userid, password, login button

A. browser(“b1”).page(“p1”).webedit(“userid”).set “test”

browser(“b1”).page(“p1”).webedit(“password”).set “test123”

browser(“b1”).page(“p1”).image(“login”).click

57. Few datatable methods

A) i. Addsheet

ii. Deletesheet

iii. Import

iv. Export

v. Importsheet

vi. Exportsheet

vii. Getsheet

viii. Getrowcount

ix. Getsheetcount

x. Setcurrentrow

xi. Setnextrow

xii. Setprevrow

58. How to assosiate a shared repository to the test through script?

A. Using the utility object called Repositoriescolletion

Synatx: RepositoriesCollection.add “path”

59. What is the method to count number of rows in datatable?

A. x=Datatable.getsheetcount(sheet id).getrowcount

msgbox x

60. How to add a parameter id to a specific sheet in datatable during runtime along with the value.

A. Syntax: variable=datatable.getsheet(“sheet id”).addparameter(“parameter id”,”value”).name

61. How do you import data from excel sheet to datatable?

A.Right Clickon DataTableà Click on SheetàImportàFrom fileàBrowse the Path

Or

Use Import method of datatable

Syntax: datatable.import “Path”

62. How to fetch the value from 6 row and 6 column in a specific sheet during runtime

A. datatable.getsheet(“sheetid”).setcurrentrow(6)

Variable=Datatable.value(6, “sheetid”)

63. Suppose there are 10 rows of values in datatable, the script is running for 10 times, if you want to run only for first 2 rows how do you do?

64. How to fetch data from a specific sheet in excel to a specific sheet in datatable during runtime?

A. Use Improtsheet method

Syntax: Datatable.importsheet (“path of file”, source sheet, destination sheet)

Note: source sheet is the sheet in excel and destination sheet is the sheet in datatable.

65. How to export data from a specific datasheet in datatable to a specific sheet in excel during runtime?

A. Use Exportsheet method

Syntax: Datatable.Exportsheet (“path of file”, source sheet,)

Note: Destination sheet is not required while exporting the data from datatable; if the file is not available in the specified location then quick test will create a file and dump the sheet. Always the sheet is

appended at the end of the excel file.

66. How do you fetch values in a reverse order from last row to first row from the datatble during runtime?

A. By seeting the focus to previous row before fetching the value

Syntax: datatable.setpreviousrow

67. What is accessibility checkpoint?

A. An Accessibiliy checkpoint checks the Web page for Section 508 compliance.

68. What is the use of recoveries in Quick Test Pfrofessional?

A. Unexpected events, errors, and application crashes during a run session can disrupt your run session and distort results. This is a problem particularly when tests run unattended the test pauses until you perform the operation needed to recover. To handle situations such as these, QuickTest enables you to create recovery scenarios and associate them with specific tests. Recovery scenarios activate specific recovery operations when trigger events occur.

69. How do you merge objects in 2 Repository files?

A. In Object Repository Manager àTools àObject Repository Merge toolàNew MergeTool, browse and select two Shared Rpository filesand click OK

70. How do you associate library file to the test?

A. A library file can be assosiate in 2 ways:

i) Through File à Settings à Resources

ii) Executefile “File Path”

71. What is the use of User Defined Environment Variables?

A. These variables are made specific to test which are available to all the actions in that test and also we can associate them to an external .XMl file so that they can be accessable from any test.

72. How do you assosiate external environment variables file to the test?

A. File à settings à Environment à User Defined à Load variables and values from external file à click ok.

To access the variable in the script:

Environment ("variable name")

73. Where is the data stored when we write data to datatable during runtime?

A. Runtime Table in Test Results.

74. What is the syntax for Reporter Event?

A. Reporter.ReportEvent event status,"report step name", "Details"

75. What is the use of Description class?

A. It is used to create an object by describing one or more properties of an object.

Syntax: set objectname=description.create

Objectname(“propertyname”).value=”property value”

76. Can you write syntax to connect to database?

A. Dim objectname

Set objectname=createobject ("ADODB.Connection")

For MS Access:

Con.open "provider=Microsoft.jet.oledb.4.0; data source=database path"

For SQL Server:

Con.open "provider=sqloledb.1;server=server name;uid=user name;pwd=password;database=database name"

Or

Con.open "driver=sqlserver;server=server name;uid=user name;pwd=password;database=database name"

77. Can you write script to read data from employee table in db1 database in SQL server (S1).

A. Dim con

Set con=createobject ("ADODB.Connection")

Con.open "provider=sqloledb.1;server=S1 name;uid=user name;pwd=password;database=db1

Or

Con.open "driver=sql server;server=S1 name;uid=user name;pwd=password;database=db1

Set rs=createobject(”adodb.recordset”)

rs.open “select \* from employee”,con

78. Which are the Databases supported by Quick Test Professional?

A. Oracle, MS Access, SQL Server, and Mysql

79. What is parameterization and in how many scenarios we use parameterization?

A. Parameterization is the process of replacing a constant value with a parameter variable. That can be parameterized in following ways in Quick Test:

* While performing Data Driven Testing
* Through Action Parameters
* Random Numbers
* Environment Variables

80. How do we retrieve data from an Excel File?

A. Import data from excel to datatable

Datatable.importsheet "pathofexcelfile", sourcesheet, destinationsheet

In the script replace the value with the datatable parameter:

**Datatable (“ParameterId”, “sheetId”)**

81. What is Scripting.FileSystem Object?

A. With the **FileSystemObject** object model, we can process the drives, folders and files in the file system.

82.What is Active Screen in QTP?

A. It is QTP tool feature in which it captures the snap shots of the application screens during the recording process,we can use this screen to perform various script enhancements in absence of application.

83. What are the different types of licenses in QTP?

A. There are 2 types of licenses in Quick Test:

i) Seat License: It is single user license, which can be installed in one work workstation.

ii) Concurrent License: It is otherwise called as Site License, it is multi pack, which comes in bulk (4 or 5 or more license as a single pack)

84. What type of lincese you have used for QTP in your project?

A. We use concurrent user licence for 5 users at time

85. Who provided license for QTP?

A. Hp- (Mercury Interactive)

86. What is synchorinzation?

To instruct QuickTest to pause the test or component until a particular object property achieves the value you specify.

Quick Test supports different synchronization methods like:

A. Synchronization point (Waitproperty): It is a dynamic wait time, which is used to make sync between the Quick Test and the application under test. When you insert a synchronization point into your test or component, QuickTest generates a WaitProperty statement in the Expert View.

Syntax: Object ("objectname"). Waitproperty "property name", "property value", “wait time”

B. Wait: Wait statements to instruct QuickTest to wait for a window to open or an object to appear. Wait statements instruct QuickTest to wait a specified amount of time before proceeding to the next step

Syntax: Wait(time in sec)

C. For tests, you can set the maximum interval (in milliseconds) that QuickTest waits before running each test step. You do this by setting the Object Synchronization Timeout in the Run tab of the Test Settings dialog box (File > Settings > Run).

D. Browser ("browsername"). Page("pagename"). Sync

87. What is difference between text and text area checkpoint?

A. Text checkpoint captures the complete text displayed on the object but textarea checkpoint captures the text in the specified specified area on an object.

88. What use of “On Error Resume Next”?

A. On Error Resume Next causes execution to continue with the statement immediately following the statement that caused the run-time error, or with the statement immediately following the most recent call out of the procedure containing the On Error Resume Next statement. This allows execution to continue despite a run-time error. You can then build the error-handling routine inline within the procedure.

89. What are the different scripting languages QTP supports?

A. You can write your QTP automation programs in any Languages and development environment that supports automation. For example: you can use: VBScript, javaScript, Visual Basic, Visual C++, or Visual Studio.

90. What are the Technologies supportedby Quick Test?

A. Java, MS.Net, SAP, People Soft, Siebel, PoweBuilder, Flash ….Etc

91. How do you set permissions for executing the Quick Test scripts from Quality center?

A. In Quick Test; Goto Tools à Options à Run à selects other Mercury/Hp products to run tests and components.

92. What is the purpose of Terminal emulator add-in in QTP?

A. To test mainframe environment application objects.

93. What is the syntax to open any windows based application from QTP?

A. Invokeapllication(“path of application”)

Or

SystemUtil.Run(“path of application”)

94. When i started recording the program / adding the objects, the tool is not able to recognize any of the objects in the web application, what could be the reason?

A.Corresponding object class may be userdefined class by development team

95. What is difference between Reusable action and function?

A. Even though both can call from whenever we from the other test or other action function execute as external library where as reusable action calls the same action with separate datatable.

96. How do you debug the program?

A.Using Step commands(Step out ,Step Into,Step Over) and Debud Viewer, we can debug the test script.

97. What is difference between step into and step out?

A.During debugging the script we can use these options

Step into will execute the script line by line in main test & also in subtests where as Step over will execute line by line in the main test and executes all the statements at single instance in called function or sub test.

98. How do you comment the script or statements in QTP?

A.Using single quote (‘) at the start of the statement, we can comment a statement.

For commenting multiple lines or a block of code, select the block and press “Ctrl+M”

For uncommenting multiple lines or a block of code, select the block and press “Ctrl+Shift+M”

99.How do you execute a single action in Quick Test?

A. Select the current action; goto Automation à and select Run Current Action.

100.How do you execute the script from a selected location in the Action block?

A. Place the cursor focus in the specified location in the script; goto Automation à and select Run from Step

Or

Ctrl+F5

101.What is the syntax for creating an object using VBScript in Quick Test?

A. Set Objetvariable=CreateObject (“server name”,”type name”)

102. Can you write a function to accept 2 numbers and return the product?

A. Dim a, b, r

Public function fn\_mul (a, b)

Fn\_mul=a\*b

End function

r =fn\_mul(5,7)

Msgbox r

103. Which Framework was implemented in your project?

A. Keyword driven framework, by implemnting User Defined Functions

104. What is the extension of Recovery Scenario File?

A.When we create a recovery scenario and save in the system the scenario is created with file extension as “.qrs”(QuickTest recovery scenario)

105. What is smart identification?

A.Usually QTP tool will recognize the objects On the applicaiton based on Mandatory Properties, configured in Object Identification, if there is any conflict in identifying the object then Quick Test will try to identify the object based on the Assistive Properties, still if there is a conflict in identifying the object, then Auick Test will invoke the Smart Identification mechanism in identifying the object based on the Base Filter and Optional Fileter Properties configured.

106. What is Ordinal Identifier?

A. The ordinal identifier assigns the object a numerical value that indicates its order relative to other objects with an otherwise identical description (objects that have the same values for all properties specified in the mandatory and assistive property lists). This ordered value enables QuickTest to create a unique description when the mandatory and assistive properties are not sufficient to do so.

QuickTest can use the following types of ordinal identifiers to identify an object:

**Index:** Indicates the order in which the object appears in the application code relative to other objects with an otherwise identical description

**Location:** Indicates the order in which the object appears within the parent window, frame, or dialog box relative to other objects with an otherwise identical description

**CreationTime:** (Browser object only.) Indicates the order in which the browser was opened relative to other open browsers with an otherwise identical description

107. What are mandatory properties and Assistive properties?

A.These are the properties of an object configured in object identification, by default when the tool learn an object, it will learn the Mandatory Properties, if tool identify any 2 similar objects then Assistive Properties are also learned.

108. What is the function to extract a part/portion of a string?

A.We can use mid function:

Syntax: variable=mid (string, starting position, length)

Ex: For instance if you want to fetch “Systems” from the below string

Str="mindqSystems"

X=mid(str,6,7)

Msgbox X

or

If you want to fetch the complete string from 6 position

X=mid(str,6)

Msgbox X

109. What are the views under Test Pane in Quick Test?

A. QTP displays the test script in 2 views

* **Keyword view:**The Keyword View enables you to create and view the steps of your component in a keyword-driven, modular, table format. The Keyword View is comprised of a table-like view, in which each step is a separate row in the table, and each column represents different parts of the steps. You can modify the columns displayed to suit your requirements.
* **Expert View:**A test or component consists of statements coded in Microsoft VBScript. These statements are composed of objects, methods, and/or properties that instruct QuickTest to perform operations or retrieve information

110. Suppose there are 4 actions in my Test, How do we change the Sequence of Execution of these actions

A. In Keyword viewà Click action and drag to the required position or order

Or

In QTP when we save the script with multiple actions, in the test a folder with “Action0” will be created, in the “Action0” folder open the “script.mts” file and change the sequence of actions to be executed.

111. How do you configure an object as virtual object?

A. Using virtual object manager we can configure as follows:

Tools menuàVirtual Object ManageràClick on NewàSelect the Class Name to assignàpoint the object using hand symbolàselect Object Name, Collection name to storeàselect Finish.

112. What is the difference between independent action and nested actions?

A.In nested action if parent action properties are changed will affect the child actions, & if parent action is called automatically all the child actions are also called. In independent actions, each action acts as independent & will not depend on another action

113. How do you reduce the size of QTP script file?

A.While saving the file, unselect the option to save active screen, i.e. without active screen if we save the script, the size of the script file is decreased.

114. How do you reduce the size of Active Screen file?

A.By selecting Customize option in Tools menuàActive screenàSelect customizeàedit optionsàclick on OK.

115. Can you tell why do you use QTP and why not the other tools?

A. Apart from so many no.of GUI options QTP supports all latest technologies including Struts (in J2EE), NET Framework, MainFrames etc., it provides alternative method for Record and playback called Descriptive Programming (DP). We can also create an object for working with the applications using “createobject” function.

116. Can you write script to count the number of links in a web page?

A. set decobj=descripton.create()

Decobj(“micclass”)=”link”

Set objcoll=Browser(“Browser name”).page(“page name”).childobjects(Decobj)

Objcount=objcoll.count

Msgbox objcount

117. Can you write script to get the value from a text box?

A. Using “**GetvisibleText**” method, Using Text output value, Text area Output value we can retrieve the value from a text box.

Ex: x=Window(“sample”).winedit(“edit1”).getvisibletext()

Msgbox x

118. Can you write script to display numbers from 1 to 10?

A. For i=1 to 10

Msgbox i

next

119. Can you write script to check whether the window is exist or not?

A. z = Window(“window name”).Exist

if(z=true)then

reporter.ReportEvent 0,"existance of window","window is exists"

else

reporter.ReportEvent 1,"existance of window","window doesn't exists"

end if

120. Can you write script to set data in text box, using descriptive programming?

A. Ex: Dialog ("name: =Login"). Activate

Dialog ("name: =Login"). WinEdit ("x: =20","y: =59"). Set "mindq"

Or

By describing the object:

Set lgn=description.create

Lgn(“name”).value=”Login”

Set uname=description.create

Uname(“x”).value=”20”

Uname(“y”).value=”59”

Dialog(lgn).winedit(uname).set “Mindq”

121. What is Descriptive Programming?

A. Identifying the objects based on its properties in the script without storing the object descriptions in object repository. We can use or implement this mechanism when the repository is growing huge which might reduce the performance of Quick Test

We can achieve Descriptive Programming in two ways:

i) **Static:**You list the set of properties and values that describe the object directly in a VBScript statement.

Ex: Browser("name:=MercuryTours").Page("title:=MercuryTours").WebEdit("html id:=username").set “Mindq”

ii) **Dynamic:**You add a collection of properties and values to a Description object, and then enter the Description object name in the statement.

Ex: set br=description.create

Br(“name”).value=”MercuryTours”

set pge=description.create

pge(“title”).value=”MercuryTours”

set lun=description.create

lun(“html id”).value=”username”

browser(br).page(pge).webedit(lun).set “Mindq”

122. How does QTP tool will recognize the object in the application?

A. When script is recorded in Quick Test, the tool learns the object details & these details will be stored in object repository, during execution the tool will identify the runtime object on the application based on the description properties of the object in the object repository

123. How do you find the available properties of any object in the application?

A. Using Object Spy

Navigation: Tools àObject Spy

124. Suppose you have learned the properties of an object to object repository from the application, now the object properties have changed, how will you update the properties in the object repository?

A. “Update From Application”option from Resource menu so that updated propertie will be added to repository.

125. What is the difference between Test datatable and Runtime datatable?

A. The datatable associated with every test before or after test execution where as the Runtime datatable is the datatable present during test execution, we can accept values to script from runtime datatable and we can also write output to runtime datatable from script. The runtime datatable will be present in the results page after the test execution.

126. What is difference between while and do. while loop?

A. A While...Wend statement instructs QuickTest to perform a statement or series of statements while a condition is true

Syntax: while condition

Statements.

Wend

127. Can you do performance testing in QTP / how do you do performance testing in QTP? We can conduct performance testing using Begin transaction & End transaction statements in the script

A. Ex: Services.StartTransaction "Tran1"

Dialog ("Login"). Activate

Dialog ("Login"). WinEdit ("Agent Name:"). Set "mindq"

Dialog ("Login"). WinEdit ("Password:"). Set "mercury"

Dialog ("Login"). WinButton ("OK"). Click

Services.EndTransaction "Tran1"

The above script can show the performance time to login into Flight application

128. How to run win runner program from QTP?

A. Insert àcall to Winrunner testà Browse the path of the testàselect options àclick on OK

129. How to connect to QC /TD from QTP?

A. FileàQuality Center ConnectionàSpecify the Server NameàClick Connect.

130. Can you give any example how to use Regular Expression?

A. As Quick Test cannot recognize sequetional windows(Fax order No.1 No.2 etc) we can make Quick Test to recongnize the object using regular expressions. As follows

Resource àObject Repository à Select “Fax order No.” from the list àselect physical descriptionàedit text property as follows

“Fax Order No.\*”àclick on OK

131. In how many ways we can create test script in QTP?

A. We can create a test script in 3 ways:

i) Through recording.

ii) Through Step generator

iii) Through DP(Descriptive Programming)

132. What is objective of Dim?

A. It is used to declare multiple variables in a single statement as dimension, so that the variable accepts of int, long, float etc.

133. What is the objective of split action?

A. Split action divides the existing action into no.of independent or nested actions. So that separate memory will be allocated, datasheet in datatable will be created.

133.What is missing resources? How can we identify missing resources?

A. If a test has resources that cannot be found, such as missing shared object repositories or calls to missing actions, or if it uses a repository parameter that does not have a defined value, QuickTest indicates this in the Missing Resources pane.

134.what is the advantage of ‘With’ in Quick Test?

A. The With statement allows you to perform a series of statements on a specified object without requalifying the name of the object

Ex: With MyLabel

.Height = 2000

.Width = 2000

.Caption = "This is MyLabel"

End With

135 What is the extension of QTP Script file?

A. .mts (mercury test script)

136.What is dictionary object?

A. A Dictionary object is the equivalent of a PERL associative array. Items can be any form of data, and are stored in the array. Each item is associated with a unique key. The key is used to retrieve an individual item and is usually an integer or a string, but can be anything except an array.

Ex: Dim d ' Create a variable.

Set d = CreateObject("Scripting.Dictionary")

d.Add "a", "Athens" ' Add some keys and items.

d.Add "b", "Belgrade"

d.Add "c", "Cairo"

137.What is the use of Update Run mode?

A. QuickTest updates the set of properties for each object class in your associated object repositories according to the properties currently defined in the Object Identification dialog box. You can use this option to modify the set of properties used to identify an object of a certain type.

Update Run mode updates expected vales with latest values automatically.

138. What are the technologies supported by Quick Test 9.5?

A. a) NET Framework 1.1, 2.0, 3.0, and 3.5.

b) Java toolkits - AWT and JFC (Swing),SWT

c) Java run-time environments- Sun JDK, JRE, and Plug-in versions 1.4.2, 1.5.0, and 1.6.0 Sun Java Web Start 1.4.x, 1.5.x, and 1.6.x, JDK, JRE, and Plug-in, versions 1.3.0 and 1.4.2

d) Oracle Forms 6i, 9i, and 10g (Releases 1 and 2)

e) SAP Gui for Windows 7.1

f) PeopleSoft applications 8.X (8.0, 8.4, 8.8, 8.9, 9.0)

139. How to increase the speed of QTP execution?

A. By runnig in fast mode we can increase the speed of execution.

140. What is the diff between language and scripting language?

A. In Language compilation and execution are of different process where as Scripting Language Interpretation exists(no compilation and execution).

141.What is default data type of QTP?

A. Default datatype in Vbscript is ‘variant’.

142.How to create an User Defined Function?

A. 1) Create An UDF in notepad & save with .vbs extension.

2) File MenuàSettingsàresourcesàBrowse the vbscript fileàclick on “set as default” to apply for all tests.

3) call UDF using function name in the test.

143. How can i check if a environment variable exist or not?

A. When we use Environment("Param1").value then QTP expects the environment variable to be already defined. But when we use   
  
Environment.value("Param1") then QTP will create a new internal environment variable if it does not exists. So to be sure that variable exist   
  
in the environment try using Environment("Param1").value.

When we use Environment ("Param1").value then QTP expects the environment variable to be already defined. But when we use   
  
Environment.value ("Param1") then QTP will create a new internal environment variable if it does not exists already. So to be sure that variable exist   
  
in the environment try using Environment ("Param1"). Value.

144.What are the features of Global sheet?

A. i) Parameters in Global sheet are global, they can be used in all the actions in the test.

ii) The test iterations are based on number of rows of data present in the Global sheet.

145. What is the use of datepart function?

A. Returns the specified part of a given date.

GetQuarter = DatePart ("q", TheDate)

146. What is test object?

A. It’s an object that is stored in object repository with which Qucik Test uses to recognize an object on the application. Each test object has one or more properties and methods that can be used to perform operations on that object. Each object also has a number of identification properties that can describe the object.

147. How to execute QTP from Command prompt?

A. From DOS prompt give the below command

C:\\ qtpro.exe

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

A. VBScript, Java Script

149. How do we know the name of associated environment file to the current test?

A. Using a method called “environment.externalfilename” we can retrieve the name of associated environment file to the current test.

x=environment.ExternalFileName

Msgbox x

150.What is difference between Internal and External environmental variables?

A. Scope of Internal environmental variables is limited to current test so that we can use in all actions in the test where as external environmental variables are global, hence we can use in any action of any test.

151.Write script to delete a file from file system?

A. Using file System Object “Delete Method” we can delete a file.

Ex: set fso=createobject(“scripting.filesystemobject”)

Fso.deletefile “D:\demo.xml”

152.How do you execute scripts in a batch mode in Quick Test?

A. Using Test Batch Runner. The file extension of a batch file is .mtb (mercury test batch)

Navigation: start à programs à QTPà Tools à Test Batch Runner

153. What is the file extension of the script file & object repository file in Quick Test?

A. Extension of script file is - .mts(mercury test script) Local Object Repository is - .mtr(mercury test repository) Shared Object Repository Extension is - .tsr(test shared repository)

154. How can we merge two shared repositories in Quick Test?

A. Using Object Repository Merge Tool

Navigation: Resourcesà Object Repository manager à Tools à Object repository Merger Tool

155.What is the diff between public and private?

A. If we declare a function as public then we can call the function from any test or action, but private function can be created and used within that action of a test.

156.What is the diff between GET TOProperty and SETTOProperty?

A. Using GET TOProperty we can retrieve a single property of a test object, using SETToProperty we can set property(s) of n test object during runtime.

157.What is Function definition generator?

A. Using function definition generator we can create user defined functions.

Navigation: Insert menuàFunction Defnition generator

158. Explain advantages of Active screen?

A. We can perform the following operations using Active Screens:

i) Insert Standard, Text and Bitmap checkpoints

ii) Insert Standard Output value

iii) View and Add Object to object repository

iv) Generate script for an object using Step generator.

159. Explain Active screen Modes?

Windows application:(capture level)

a. Complete

b. Partial

c. Minimum

d. None

For web application:

Disable Active Screen Capture

Capture Original HTML Source

160. During Normal or Context Sensitive recording, what will happen in QTP?

A. Script is generated for the objects, on which the user performs the operations, snapshots are captured in active screen and the objects are captured in Object Repository.

In Normal recording quick test will generate a script based on the window or screen area coordinates.

161. Explain how QTP recognizes Run time object during execution time?

A. By comparing the Description Properties of every Test Object with the Runtime Object

162. Explain Object Repository?

A. It is a common or central place where quick test will capture all the properties on an object, which will make use of identifying the objects during runtime

163. Explain how we can associate shared repository through script?

A. Using Repositories collection method.

Synatx: Repositoriescollection.add(“shredrepositoryfilename”)

164. What is checkpoint? Explain how it will work?

A. A checkpoint is a verification point that compares a current value for a specified property with the expected value for that property. This enables you to identify whether your application is functioning correctly.

165. When we insert a checkpoint, how QTP saves that information?

A. When we insert a checkpoint and saved it internally system creates a .dat file and stores the information of the checkpoint in the file. We can’t edit the file directly, we can edit only from QTP.

166. How to know checkpoint pass of fail during execution time? How to get return status of checkpoint?

A. Var=<object hierarchy>. Check (checkpoint (“object”))

It returns “True” value if check point pass, other wise it returns “False” value

167. How to suppress warning messages in test result window?

A. Reporter.Filter=<filter value>

Filter value can be 0, 1,2,3

0-Default. All reported events are displayed in the Test Results

1-Only event with a warning or fail status are displayed in the Test Results.

2-Only events with a fail status are displayed in the Test Results.

3-no events are displayed in test result window

168. How to find text is occurred in the given string or not?

A. InStr function

169. If the object does not support GetItemsCount method then how to find no of items in a combo box?

A. A web list box doesn’t support the method GetItemsCount instead it supports a property called “ItemsCount”. So we have to use GetROProperty (“ItemsCount”)

170. Write the script to print all properties available in the object Repository?

A. Set props=window (“Sample”). GetTOProperties

Propscount=Props.Count

For I=0 to Props.Count-1

Propsname=Props(I).Name

Propsval=props(i).Value

msgbox propsname&space(5)&propsval

171. Write script to change Global Synchronization value?

A. Dim App

Set App = CreateObject("QuickTest.Application")

App.Test.Settings.Run.ObjectSyncTimeOut = 20000

172. If I am not interest to use Transaction points how to find some portion of script execution time?

A. Starting time=now

<Portion of test script>

End time=now

Timetaken=(DateDiff(“s”,starttime,endtime)

173. How to associate external environmental variable file to current test/action Script?

A. Environment.LoadFromFile “Path of .xml file”

Var=Environment.Value(“env. Variable name”)

174. Write the script to find folder path where the current test results are saved?

A. Msgbox(Environment.Value(“ResultDir”))

175. Write the script to find path of the folder in which the test is located?

A. Msgbox(Environment.Value(“TestDir”))

176. Write the script to find which action is currently running?

A. Msgbox(Environment.Value(“ActionName”))

177. Write the script to find Local Host name?

A. Msgbox(Environment.Value(“LocalHostName”))

178. Write script for to invoke multiple web applications from a single instance?

A. Set IE1=Createobject(“Internet Explorer.Application”)

IE1.Visible=True

IE1.Navigate “http://www.mindqsystems.com”

IE1.Navigate http://Rediffmail.com

180. Explain Absolute path and Relative path?

A. The actual path of file as it resides on the hard drive is called absolute path.

The path of file relative to a given folder is called the relative path.

181. Write script to find number of rows filled in local sheet of Action1?

A. Var=DataTable.GetSheet(“Action1).GetRowCount

182. Syntax for setting the parameter id in runtime datatable?

A. variable=datatable.getsheet(“sheet id”).addparameter(“parameter id”,”parameter value”).name

183. Explain DATE and TIME functions?

A. These are default b functions, Date is to fetch the system current date and Time to fetche the system current time.

184. How to compare two strings?

A. Strcomp(string1,string2)

Returns a value indicating the result of a string comparison.

String1 is less than string2à -1

String1 is greater than string2à 1

String1 is equal to string2à 0

185. Write the function to return a string in which the characters order of a specified string is reversed?

A. Dim string

String=”Mindq”

String1(StrReverse(“string”))

Msgbox string1

186.Write the script to read values from Text file?

A. Dim fso,f

Set fso=createobject(“scripting.filesystemobject”)

Set f=fso.opentextfile(“path of .txt file”,1)

While f.atendofline<>true

S=f.readline()

Msgbox s

Wend

F.close()

187.Write script to create a .txt file and to write “mindqsystems” message?

A. Set fso=createobject(“scripting.filesystemobject”)

Set f=fso.createtextfile(“path of .txt file”,8)

f.writeline(“mindqsystems”)

f.close()

188.Write script to create .doc file and to write “mindqsystems” message?

A. Set fso=createobject("scripting.filesystemobject")

Set f=fso.createtextfile("E:\abc.doc")

f.writeline("mindqsystems")

f.close()

189. Write script to work on excel sheets?

A. Set excelapp=createobject("Excel.Application")

excelapp.workbooks.Add

excelApp.visible=true

Set excelsheet=ExcelApp.Activesheet

Set getsheet=excelapp.worksheets

'to get sheet count

msgbox(getsheet.count)

'to enter data

excelsheet.cells(1,1)="Madhu"

excelsheet.cells(2,1)="mindqsystems"

'to add sheet

getsheet.add

to delete sheet

setworksheet=excelbooksheet(4)

worksheet.delete

to read the value

var1=excelsheet.cells(1,1)

var2=excelsheet.cells(2,1)

msgbox(var1&vblf&var2)

to save worksheet

excelbook.saveas “path of location”

excelapp.quit

set excelapp=nothing

190. Write script to retrieve all similar objects located inside a parent object?

A. set obj1=description.create

obj1(“Class Name”).value=”WebEdit”

set objcoll=browser(“Yahoo”).page(“Yahoo..Mail”).childobjects(obj1)

objcnt=objcoll.count

“objcnt” will have the count of the webedits on the given page.

191. Where can I find a web pages cookie?

A. The cookie used by the browser can be accessed through the browsers document object model (DOM).

Ex: browser (“browser name”). Page (“pagename”).object.cookie

192. Does QTP recognize two diff browsers at a time..?If possible how..? Is it possible run scripts on Mozilla which are recorded on IE..?..How..?

A. QTP will recognize two browsers at a time with the help of Creation Time. We can not run the scripts on Mozilla which is recorded on IE. We will face few issues. In that case its better if we use DP(Descriptive Programming)

193. How can you capture (Read) the values from a Table?

If the given table is web table then we can capture the values from web table by using this method

Browser ("Browser").Page ("PageName").WebTable("TableName").

GetCellData(rowindex,columnindex)

194.Why you are Using Descriptive programming instead of Object Repository?

A. Descriptive Programming is an advanced concept in QTP.we can handle the Application by implementing the DP instead of OR.

**Advantages of DP:**

1. If there are two web objects with the same properties then how a specific object can be Identified?
   1. We can handle this situation several ways like
      1. through Smart Identification Process
      2. Through Index Property
      3. Through Dynamic handling through Descriptive Programming.
2. What function can be used to find the number of occurrences of sub strings within a string?

**Function Body**

**Function Call Statement:**

1. What is the concept of hooking in QTP?
2. How to load vbs file to qtp through scripting?
3. ExecuteFile "Path of file .vbs "
4. What is absolute path and relative path in QTP..? How to access them and what are the differences between them...?
5. How do we Access, retrieve and edit the runtime objects in Automation Testing using QTP?
6. In how many ways we can use checkpoints to an application using QTP?
7. How can we call an external library file in QTP apart from using the Executefile statement..? Is there any other way we can call the external library file in QTP?
8. How to load an object repository file in to QTP during runtime?
9. We can use RepositoriesCollection method ,

Syntax: RepositoriesCollection.Add(shared Object repository file path)

We can also associate this file with AOM concept

1. Is QTP a compiler or interpreter, Can we execute a QTP Script file in a system which does not have QTP installed?
2. QTP is an Interpreter. We cannot execute QTP script in another system which does not have QTP installed.
3. What is the default ordinal identifier in QTP?
4. What are the send keys in QTP?
5. Send keys are used for sends one or more keystrokes to the active window.
6. Suppose there are 100 links in a web page and the number of links will be changing dynamically from time to time. Write a code such that every time it will click on the last Link of the web page?

A.

obj.Click

1. Difference between Dim and Redim Statement?

ReDim Customers (100)

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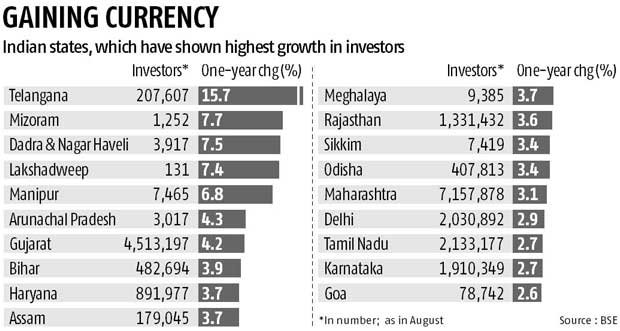
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**Under A Cloud:** OyoRooms, a budget hotel accelerator, [has raised](http://www.livemint.com/Companies/vxFs7wZDulH1rFr6w1JnyM/Oyo-raises-Rs413-crore-from-SoftBank.html) about $60 million from SoftBank, amid speculation that its other investors declined to be a part of the funding and the startup accelerator that was its first investor [has exited](http://timesofindia.indiatimes.com/business/india-business/SoftBank-leads-90m-funding-in-Oyo/articleshow/53715298.cms). Newspaper reports say Oyo was looking to raise $100 million, while its valuation has remained unchanged at $400 million. About $10 million will be reportedly used to buyback shares from early investors, which means the actual inflow into the company will be that much lower. Meanwhile, the outcome of Oyo’s acquisition of rival Zo rooms [remains uncertain](http://timesofindia.indiatimes.com/business/india-business/The-curious-case-of-Oyos-Zo-buyout/articleshow/51283342.cms).

**The Brexit Hit:** IT services giant Infosys [lost a key contract](http://economictimes.indiatimes.com/articleshow/53705501.cms) to Brexit after Royal Bank of Scotland shelved a plan to set up a stand alone UK bank. While the actual contract loss has been pegged at about $50 million, Infy now has to decide what to do about the 3,000 people it had earmarked for the project. But Infosys isn’t alone in this battle. Service companies who count British banks among their customers are facing uncertainty because of Brexit. Cognizant has already lowered its guidance twice this year, while experts say RBS’s own mismanagement is also to blame.

**Where are the investors?:** If you had to guess where the growth in retail stock market investors is coming from, chances are you would guess business centres such as Mumbai, Delhi or cities in Gujarat. And [you would be wrong](http://www.business-standard.com/article/markets/india-market-boom-resounds-louder-in-smaller-states-116081500843_1.html). According to this study, the top states for investor growth are Telangana and Mizoram. This is a surprise as in these states, the prime focus of investment has been land and gold. That could well have been because of a lack of choice, which now seems like is no longer the case.



**Snapdeal is looking to sell a stake** in Freecharge [at a valuation of $1.2 billion](http://techcircle.vccircle.com/2016/08/12/exclusive-snapdeal-eyes-nearly-1-2-bn-valuation-for-freecharge/). This is quite a jump from the $400 million that Snapdeal is reported to have paid for Freecharge last year. Snapdeal investor and iPhone manufacturer Foxconn is interested and talks are at an advanced stage.

**Olympics:**India’s track record at the Rio Olympics was nothing to write home about, but we did get the country’s first female Olympic gymnast. Dipa Karmakar from north eastern state of Tripura finished fourth at the women’s vault event on Sunday, narrowly missing the bronze medal. But the [Indians are not complaining](http://www.livemint.com/Sports/QRXBmjPeaJ84YZrhdHvDYL/Dipa-Karmakar-A-shining-spot-from-the-Indian-contingent-at.html).

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