**Methods and properties of QTP**

**GetTOproperties:** This method is used to return get the properties and their corresponding values from the recorded object in our object repository.

**Example**

**set** a=Dialog("Login").WinEdit("Agent Name:").GetTOProperties  
b=a.count  
**For** i = 0 **To** b-1  
    pname=a(i).name  
    pvalue=a(i).value  
    **msgbox** pname  
    **msgbox** pvalue  
**Next**

**SetTOproperty**: This method is used to set the value of a particular property of an object in the object repository.

**Example**

Dialog("Login").WinEdit("Agent Name:").SetTOProperty "attached text","name"  
y=Dialog("Login").WinEdit("Agent Name:").GetTOProperty("attached text")  
**msgbox** y

**GetTOproperty:** This method is used to get the current value of a property of an object in the object repository. If we had used the SetTOproperty method to change the existing property of an object in the OR, GetTOproperty method would only retrieve the current value of the property (ie, what ever value was set using SetTOproperty).

**Example**

x=Dialog("Login").WinEdit("Agent Name:").GetTOProperty("attached text")  
**msgbox** x  
Dialog("Login").WinEdit("Agent Name:").SetTOProperty "attached text","name"  
y=Dialog("Login").WinEdit("Agent Name:").GetTOProperty("attached text")  
**msgbox** y

**GetROProperty:** This method is used to get the runtime value of a property in an application object.

**Example**

Dialog("Login").WinEdit("Agent Name:").**Set** "jojo"   
a=Dialog("Login").WinEdit("Agent Name:").GetROProperty("attached text")  
**msgbox** a

|  |  |
| --- | --- |
| **GetToProperty** | **GetRoProperty** |
| GetToProperty returns the value of a test object which was recorded by QTP. | GetRoProperty returns the current value of test object property. |
| GetToProperty returns the value from the test object's description. | GetRoProperty returns the current property value of the object in the application during the test run. |
| GetToProperty retrieves value from object repository. | GetRoProperty retrieves value from application (at the run time). |

**Activate :** The Activate method is used to activate the dialog boxes/Windows.

**Syntax:** (Object hierarchy).Activate  
**Example:**

Window("Login").Activate

Dialogue("Login").Activate

**Click :** The Click method is used to click on an object, usually buttons.  
  
**Syntax:** (Object hierarchy).Click  
**Example:**

Window("Login").WebButton("Ok").click

**Close :**The Close method is used ot close a window,Dialog box, Browser etc.  
  
**Syntax:** (Object hierarchy). Close  
  
**Example:**

Window("Flight Reservation").Close

Browser("Browser").Close

**Set :** The Set method is used in 3 different contexts:

**Edit box**:

**Syntax:** (Object Hierarchy).SET "Value"  
**Example:**

Dialog ("Login").WinEdit("Agent Name").Set "Agent1"

**Radio Button:  
  
Syntax:** (Object Hierarchy).Set **Example:**

Window("Flight Reservation").WinRadioButton("Business").Set

**Check boxes:  
  
Syntax:** (Object Hierarchy).Set "ON/off" **Example:**

Window ("Flight Reservation"). Dialog("Open Order").WinCheckBox("Order No.").Set "ON"

**Select:** The Select method is used for selecting an item from a combo box or a list box.  
  
**Syntax:** (Object hierarchy).select "item"  
**Example:**

Window("Flight Reservation").WinComboBox("Fly From:").Select "London"

Window("Flight Reservation").Dialog("Flights Table").WinList("From").Select "12572

**GetVisibletext:** The GetVisibletext method is used to return the Text from a specified area.  
  
**Syntax:** Variable = (Object hierarchy).getvisibletext  
**Example:**

x=Window("Flight Reservation").WinComboBox("Fly From:").GetVisibleText

msgbox "The Visible Text was :" & x

**Navigate:** The Navigate method opens a specified URL in the Browser.  
  
**Syntax:** (Object hierarchy).navigate "URL"  
**Example:** 

Browser("Yahoo!").Navigate "http://www.google.co.in/"

**GetItemsCount:** GetItemsCount method returns the number of items in a combobox.  
  
**Syntax:** (Object hierarchy).GetItemsCount  
**Example:** 

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

msgbox x

**GetContent:** GetContent method returns all the items from a combobox.  
  
S**yntax:** (Object hierarchy).GetContent  
**Example:** 

x=Window("Flight Reservation").WinComboBox("Fly From:").GetContent

msgbox x

**Exist:** The Exist method checks whether the object is available or not.  
  
**Syntax:** Object hierarchy.exist(time in seconds)  
**Example:**   
If Window("Flight Reservation").Exist Then

MsgBox "The Window Exists"

Else

MsgBox "The Window does not Exist"

End If