**Descriptive Programming:**

QTP scripts can execute only if the objects are present in the Object Repository. If the descriptions of the Objects are created using Descriptive programming when testers want to perform an operation on an object that is not present in the object repository.

* When objects in the application are very dynamic in nature.
* When the Object Repository grows big, it results in poor Performance as the size of the Object Repository increases.
* When the framework is built such that it has been decided not to use Object Repository at all.
* When testers want to perform an action on the application at run-time without having the knowledge of object's unique properties.

EXAMPLE

dialog("text:=Login").winedit("attached text:=Agent Name:").**Set** "sourabh"  
dialog("text:=Login").winedit("attached text:=Password:").**Set** "mercury"  
dialog("text:=Login").winbutton("text:=OK").Click  
window("regexpwndtitle:=Flight Reservation").activex("progid:=MSMask\.MaskEdBox\.1").Type "022816"  
window("regexpwndtitle:=Flight Reservation").wincombobox("attached text:=Fly From:").**select** "london"  
window("regexpwndtitle:=Flight Reservation").wincombobox("attached text:=Fly To:").**select** "frankfurt"  
window("regexpwndtitle:=Flight Reservation").winbutton("text:=FLIGHT").click  
window("regexpwndtitle:=Flight Reservation").dialog("text:=Flights Table").winlist("attached text:=From","nativeclass:=ListBox").**select** "10341   LON   10:33 AM   FRA   11:17 AM   LH     $123.20"  
window("regexpwndtitle:=Flight Reservation").dialog("text:=Flights Table").winbutton("text:=OK").Click  
window("regexpwndtitle:=Flight Reservation").winedit("attached text:=Name:","nativeclass:=Edit","window id:=1014").**set** "sour"  
window("regexpwndtitle:=Flight Reservation").winbutton("text:=&Insert Order").Click

**Child object**

The objects(text box, combo box, links) contained in the frame or Window is known as child objects. Sometimes we would be in a situation to get the properties of all the links in a webpage or to get the values of all radio buttons in a window.

**Example**

**Set** ocollection = **Description**.Create  
**Set** ocollection=Dialog("text:=Login").ChildObjects(ocollection)