

'The following example retrieves an object repository's objects and properties, looks for specific test objects using several methods, and copies a test object to another object repository.

```
Dim ImageObj, PageObj, RepositoryFrom, RepositoryTo
```

```
Set RepositoryFrom = CreateObject("Mercury.ObjectRepositoryUtil")  
Set RepositoryTo = CreateObject("Mercury.ObjectRepositoryUtil")
```

```
RepositoryFrom.Load "C:\QuickTest\Tests\Flights.tsr"
```

```
RepositoryTo.Load "E:\Temp\Tests\Default.tsr"
```

```
Function EnumerateAllChildProperties(Root)
```

'The following function recursively enumerates all the test objects directly under a specified parent object. For each test object, a message box opens containing the test object's name, properties, and property values.

```
Dim TOCollection, TestObject, PropertiesCollection, Property, Msg
```

```
Set TOCollection = RepositoryFrom.GetChildren(Root)
```

```
For i = 0 To TOCollection.Count - 1
```

```
Set TestObject = TOCollection.Item(i)
```

```
Msg = RepositoryFrom.GetLogicalName(TestObject) & vbNewLine
```

```
Set PropertiesCollection = TestObject.GetTOProperties()
```

```
For n = 0 To PropertiesCollection.Count - 1
```

```
Set Property = PropertiesCollection.Item(n)
```

```
Msg = Msg & Property.Name & "-" & Property.Value & vbNewLine
```

```
Next
```

```
MsgBox Msg
```

```
EnumerateAllChildProperties TestObject
```

```
Next
```

```
End Function
```

```
Function EnumerateAllObjectsProperties(Root)
```

'The following function enumerates all the test objects under a specified object.

'For each test object, a message box opens containing the test object's name, properties, and property values.

```
Dim TOCollection, TestObject, PropertiesCollection, Property, Msg
```

```
Set TOCollection = RepositoryFrom.GetAllObjects(Root)
```

```
For i = 0 To TOCollection.Count - 1
```

```
Set TestObject = TOCollection.Item(i)
```

```
Msg = RepositoryFrom.GetLogicalName(TestObject) & vbNewLine
```

```
Set PropertiesCollection = TestObject.GetTOProperties()
```

```
For n = 0 To PropertiesCollection.Count - 1
```

```
Set Property = PropertiesCollection.Item(n)
```

```
Msg = Property.Name & "-" & Property.Value & vbNewLine
```

```
Next
```

```
MsgBox Msg
```

```
Next
```

```
End Function
```

```
Function RenameAllImages(Root)
```

'The following function sets a new name for all image test objects under a specified object.

```
Dim TOCollection, TestObject, PropertiesCollection, Property
```

```
Set TOCollection = RepositoryTo.GetAllObjectsByClass("Image")
```

```
For i = 0 To TOCollection.Count - 1
```

```
Set TestObject = TOCollection.Item(i)
```

```
RepositoryTo.RenameObject (TestObject, "Image " & i)  
RepositoryTo.UpdateObject TestObject
```

```
Next
```

```
End Function
```

```
Function RemoveAllLinks(Root)
```

'The following function recursively enumerates all the test objects under a specified object.

'It looks for all test objects of class Link and removes them from their parent objects.

```
Dim TOCollection, TestObject, PropertiesCollection, Property
```

```
Set TOCollection = RepositoryFrom.GetChildren(Root)
```

```
For i = 0 To TOCollection.Count - 1
```

```
Set TestObject = TOCollection.Item(i)
```

```
TOClass = TestObject.GetTOPProperty("micclass")
```

```
If TOClass = "Link" Then
```

```
RepositoryFrom.RemoveObject Root, TestObject
```

```
End If
```

```
EnumerateAllChildProperties TestObject
```

```
Next
```

```
End Function
```

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