**File system object(FSO)**

**FSO:** Filesystemobject is an object model which is used to handle the drives, folders, and files of a system or server. First if an user needs to work on Driver, Folder, Files properties, methods or events then the first step he need to setup is filesystemobject Second file system object is an interface between QTP and the local system. using FSO we can create/delete folder, create/delete/read  from/write to text files Third the FileSystemObject (FSO) object model allows you to use the familiar object .method syntax with a rich set of properties, methods, and events to process folders and files

**Object/Collection Description:**

**FileSystemObject:**  
File system object is a Main object. Contains methods and properties that allow you to create, delete, gain information about, and generally manipulate drives, folders, and files. Many of the methods associated with this object duplicate those in other FSO objects; they are provided for convenience.  
  
**Drive:**  
Drive is a Object. Contains methods and properties that allow you to gather information about a drive attached to the system, such as its share name and how much room is available. Note that a "drive" isn*'t necessarily a hard disk, but can be a CD-ROM drive, a RAM disk, and so forth. A drive doesn't need to be physically attached to the system; it can be also be logically connected through a network.*  
  
**Drives:**  
  
Drives are Collection. Provides a list of the drives attached to the system, either physically or logically. The Drives collection includes all drives, regardless of type.Removable-media drives need not have media inserted for them to appear in this collection.  
  
**File:**  
  
File is a Object. Contains methods and properties that allow you to create, delete, or move a file. Also allows you to query the system for a file name, path, and various other properties.  
  
**Files:**  
  
Files are Collection. Provides a list of all files contained within a folder.  
  
**Folder:**  
  
Folder is a Object. Contains methods and properties that allow you to create, delete, or move folders. Also allows you to query the system for folder names, paths, and various other properties.  
  
**Folders**:  
  
Folders are Collection. Provides a list of all the folders within a Folder.  
  
**TextStream:**  
  
TextStream is a Object. Allows you to read and write text files.

**Creating a FileSystemObject Object:**  
**Description**:First, create a FileSystemObject object by using the **CreateObject** method.  
**Example: Set** fso = **CreateObject**("Scripting.FileSystemObject")

**Create Text File**  
**Description**: Creates a specified file name **and** returns a TextStream object that can be used **to** read from **or** **write** **to** the file

Syntax: **Set** objfile = fso.CreateTextFile(filename[, overwrite[, Unicode]])

**Example:     
Set** fso=**createobject**("Scripting.FileSystemObject")  
**Set** qfile1=fso.CreateTextFile("C:\qtptest.txt",**True**,**False**)   
qfile1.Close  
**Set** qfile1=**nothing**

**Copy File**  
**Description**: Copies one **or** more files from one location **to** a **new** location  
Syntax: fso.CopyFile (**source**, destination[, overwrite])

**Example:**

**Set** fso=**createobject**("scripting.filesystemobject")  
**Set** qfile1=fso.createtextfile("d:\sou.txt",**true**,**false**)  
sourcefile="d:\sou.txt"  
destination="e:\"  
**If** fso.FolderExists(destination)=**false** **Then**  
    fso.CreateFolder(destination)  
**End** **If**  
fso.CopyFile sourcefile,destination,**True**  
**Set** fso=**nothing**

**Delete File**

**Description**: Deletes a specified file  
Syntax: fso.DeleteFile (filename[, force])

**Example:**    
**Set** fso=**createobject**("Scripting.FileSystemObject")  
fso.DeleteFile Sourcefile  
**Set** fso=**nothing**

**File Exists**  
**Description**: Determines whether **or** **not** a specified file exists  
Syntax: fso.FileExists (filespec)

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
file="d:\sou.text"  
**If** fso.fileExists(file)=**false** **Then**  
    **msgbox**"file exist"  
    **else**  
    **msgbox**"file not exist"  
**End** **If**  
**Set** fso=**nothing**

**Create Folder**

**Description**: Creates a **new** folder **in** the specified location  
Syntax: fso.CreateFolder(foldername)

**Example**

**Set** fso=**createobject**("Scripting.FileSystemObject")  
foldername="d:\sourabh"  
**If** fso.FolderExists(Foldername) = **false** **Then**  
fso.CreateFolder (Foldername)  
**End** **If**  
**Set** fso=**nothing**

**Copy Folder**

**Description**: Copies a folder **to** a **new** location  
Syntax: fso.CopyFolder (**source**, destination[, overwrite])

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
sourcepath="d:\sourabh"  
destinationpath="c:\"  
**If** fso.FolderExists(destinationpath)=**false** **Then**  
fso.CreateFolder(destinationpath)      
**End** **If**  
fso.CopyFolder sourcepath,destinationpath  
**Set** fso=**nothing**

**Move Folder**

**Description**: Moves one **or** more folders from one location **to** another.  
Syntax: fso.MoveFolder (**source**, destination)

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
sourcepath="d:\sourabh"  
destinationpath="d:\ali\"  
fso.MoveFolder sourcepath,destinationpath  
**Set** fso=**nothing**

**Delete Folder**

**Description**: Deletes the specified folder **and** its contents  
Syntax: fso.DeleteFolder (folderspec[, force])

**Example**

deletefolder="d:\sourabh"  
fso.DeleteFolder(deletefolder)  
**Set** fso=**nothing**

**Folder Exists**  
**Description**: Determines whether **or** **not** a specified folder exists  
Syntax: fso.FolderExists (folderspec)

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
folder="d:\sourabh"  
**If** fso.folderExists(drive)=**false** **Then**  
    **msgbox**"folder exist"  
    **else**  
    **msgbox**"folder not exist"  
**End** **If**  
**Set** fso=**nothing**

**Drive Exists**  
**Description**: Determines whether **or** **not** a specified drive exists  
Syntax: fso.DriveExists (drivespec)

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
drive="a:\"  
**If** fso.DriveExists(drive) **Then**  
    **msgbox**"drive exist" **else**  
    **msgbox**"drive not exist"  
**End** **If**  
**Set** fso=**nothing**

**GetDrive**  
**Description**: Returns a Drive object corresponding **to** the drive **for** a specified path  
Syntax: objDrv = fso.GetDrive(drivespec)

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
drive="d:\"  
**set** getd=fso.GetDrive(drive)  
**msgbox** getd.AvailableSpace  
**msgbox** getd.DriveLetter  
**msgbox** getd.DriveType  
**msgbox** getd.FileSystem  
**msgbox** getd.FreeSpace  
**msgbox** getd.IsReady  
**msgbox** getd.Path  
**msgbox** getd.RootFolder  
**msgbox** getd.SerialNumber  
**msgbox** getd.ShareName  
**msgbox** getd.TotalSize  
**msgbox** getd.VolumeName

**GetFolder**  
**Description**: Returns a Folder object corresponding **to** the folder **in** a specified path  
Syntax: objFolder = fso.GetFolder(folderSpec)

**Example**

**set** fso=**createobject**("scripting.filesystemobject")  
folder="e:\family"  
**Set** get\_f= fso.getfolder(folder)  
**Set** get\_s\_f=get\_f.SubFolders  
**For** **each** sfile **in** get\_s\_f  
    **msgbox** sfile.name  
**Next**

**GetFile**  
**Description**: Returns a File object corresponding **to** the file **in** the specified path. The file object methods **and** properties can be accessed. See File Object **for** the file object’s methods **and** properties.  
Syntax: objFile = fso.GetFile(fileSpec)

**Example**

**set** fso=**createobject**("scripting.filesystemobject")  
file="E:\UFT note\Task.docx"  
**Set** get\_file=fso.GetFile(file)  
**msgbox** get\_file.Attributes  
**msgbox** get\_file.DateCreated  
**msgbox** get\_file.DateLastAccessed  
**msgbox** get\_file.DateLastModified  
**msgbox** get\_file.Drive

**Close**  
**Description**: Closes an open TextStream file  
Syntax: objTso.Close

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
**Set** open = fso.OpenTextFile ("d:\sou.txt",8,**false**)  
open.**writeline** "my name is dipa"  
open.**writeline** "i am work in ideliver"  
open.close  
**Set** fso=**nothing**

Read/read all/read line

**Read  
Description**: Reads a specified **number** of characters from a TextStream file **and** returns the resulting **string**.  
Syntax: strChars = objTso.Read(numCharacters)  
  
**ReadAll**  
**Description**: Reads the entire TextStream file **and** returns the resulting **string**.  
Syntax: strChars = objTso.ReadAll  
  
**ReadLine**  
**Description**: Reads an entire line (up **to**, but **not** including, the newline character) from a TextStream file **and** returns the resulting **string**.  
Syntax: strChars = objTso.ReadLine

**Example**

**Set** fso=**createobject**("scripting.filesystemobject")  
**Set** open=fso.OpenTextFile ("d:\sou.txt",1,**false**)  
**msgbox** open.ReadAll  
**msgbox** open.Readline  
**msgbox** open.Read(1)  
open.close  
**Set** fso=**nothing**

**Write/writeline**

**Write**  
  
**Description**: Writes a specified **string** **to** a TextStream file.  
Syntax: objTso.**Write**(**string**)  
  
**WriteLine**  
  
**Description**: Writes a specified **string** **and** newline character **to** a TextStream file.  
Syntax: objTso.**WriteLine**([**string**])

**WriteBlankLines**  
**Description**: Writes a specified **number** of newline characters **to** a TextStream file.  
Syntax: objTso.WriteBlankLines(numLines)

**Example**

**set** fso1=**createobject**("scripting.filesystemobject")  
**Set** file1=fso1.OpenTextFile("e:\ami.txt",2)  
file1.**Write**"sour"  
file1.WriteBlankLines(2)  
file1.**WriteLine**" sourabh is great"  
file1.Close

**AtEndOfLine**  
**Description**: Indicates whether the file pointer **is** positioned immediately before the **end**-of-line marker **in** a TextStream file.  
Syntax: objTso.AtEndOfLine

**Example**

**Set** file1=fso1.OpenTextFile("e:\sam.txt",1)  
**do** **while** file1.AtEndOfLine <>**true**  
print file1.Read(2)  
**loop**

**AtEndOfStream**  
  
**Description**: Indicates whether the file pointer **is** positioned at the **end** of a TextStream file.  
Syntax: objTso.AtEndOfStream

**Example**

**Set** file1=fso1.OpenTextFile("e:\sou.txt",2)  
file1.**WriteLine**"i am from bilaspur"  
file1.**WriteLine**"my age is 24"  
**Set** file1=fso1.OpenTextFile("e:\sou.txt",1)  
**do** **while** file1.AtEndOfStream<>**true**  
print file1.ReadLine  
**loop**