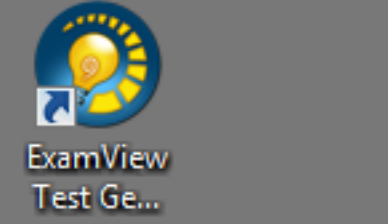
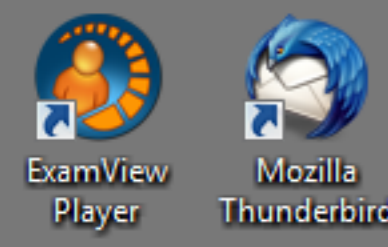
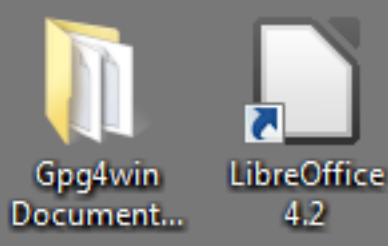
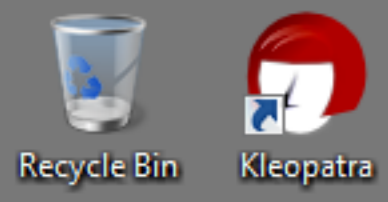


## Windows 7 Diskpart, WMIC Volume, and batch file

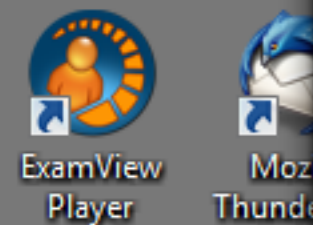
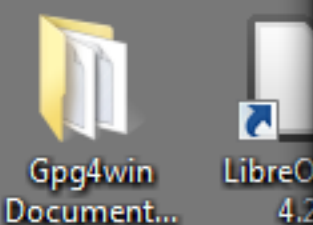
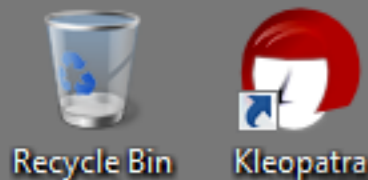
This presentation show creating a batch file to collect information about volumes on a computer. The batch file will collect the diskpart information from list disk and list volumes. The batch file will collect the information from the wmic volume command. All the command output will be placed in a file.

Preuss

2/14/2014



Logon to your computer.



Computer > Search Computer

Organize System properties Uninstall or change a program Map network drive >>

**Hard Disk Drives (3)**

- Local Disk (C:) 27.8 GB free of 59.8 GB
- spanned02 (E:) 10.9 GB free of 10.9 GB
- striped (F:) 3.94 GB free of 3.99 GB

**Devices with Removable Storage (2)**

- Floppy Disk Drive (A:)
- DVD Drive (D:)

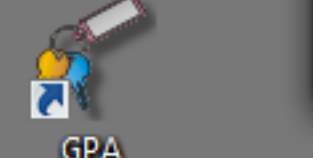
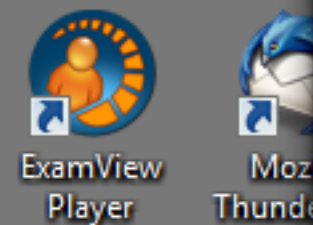
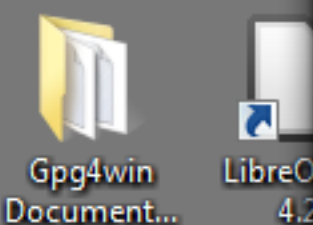
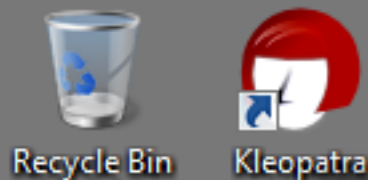
Computer

- Local Disk (C:)
- spanned02 (E:)
- striped (F:)

Network

WIN7-AL Workgroup: WORKGROUP Memory: 4.00 Processor: Intel(R) Core(TM) i7-27...

The example will create a folder on the root of drive c:. First we open the folders and select the computer list as shown.



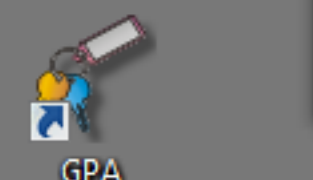
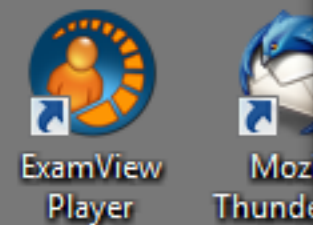
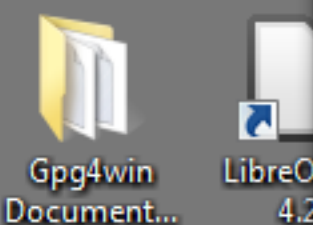
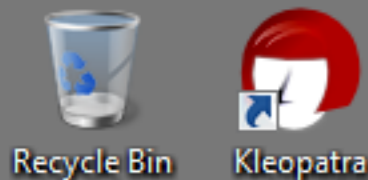
Computer > Local Disk (C:) > Search Local Disk (C:)

Organize Share with Burn New folder

| Name                | Date modified        | Type        | Size |
|---------------------|----------------------|-------------|------|
| documents           | 2/13/2014 1:12 PM    | File folder |      |
| ExamView            | 9/20/2013 3:31 PM    | File folder |      |
| ExamViewInstall     | 9/20/2013 3:30 PM    | File folder |      |
| PerfLogs            | 3/26/2013 2:41 PM    | File folder |      |
| Program Files       | 10/29/2013 9:48 AM   | File folder |      |
| Program Files (x86) | 12/17/2013 6:29 PM   | File folder |      |
| temp                | 10/21/2013 11:44 ... | File folder |      |
| Users               | 3/18/2013 8:03 AM    | File folder |      |
| Windows             | 2/14/2014 12:18 PM   | File folder |      |

9 items

**Select the disk drive C:. You should see something similar to the folder listing shown.**



Computer > Local Disk (C:) > Search Local Disk (C:)

Organize Share with Burn New folder

| Name      | Date modified     | Type        | Size |
|-----------|-------------------|-------------|------|
| documents | 2/13/2014 1:12 PM | File folder |      |
| ExamView  | 9/20/2013 3:31 PM | File folder |      |

9 items

**Destination Folder Access Denied**

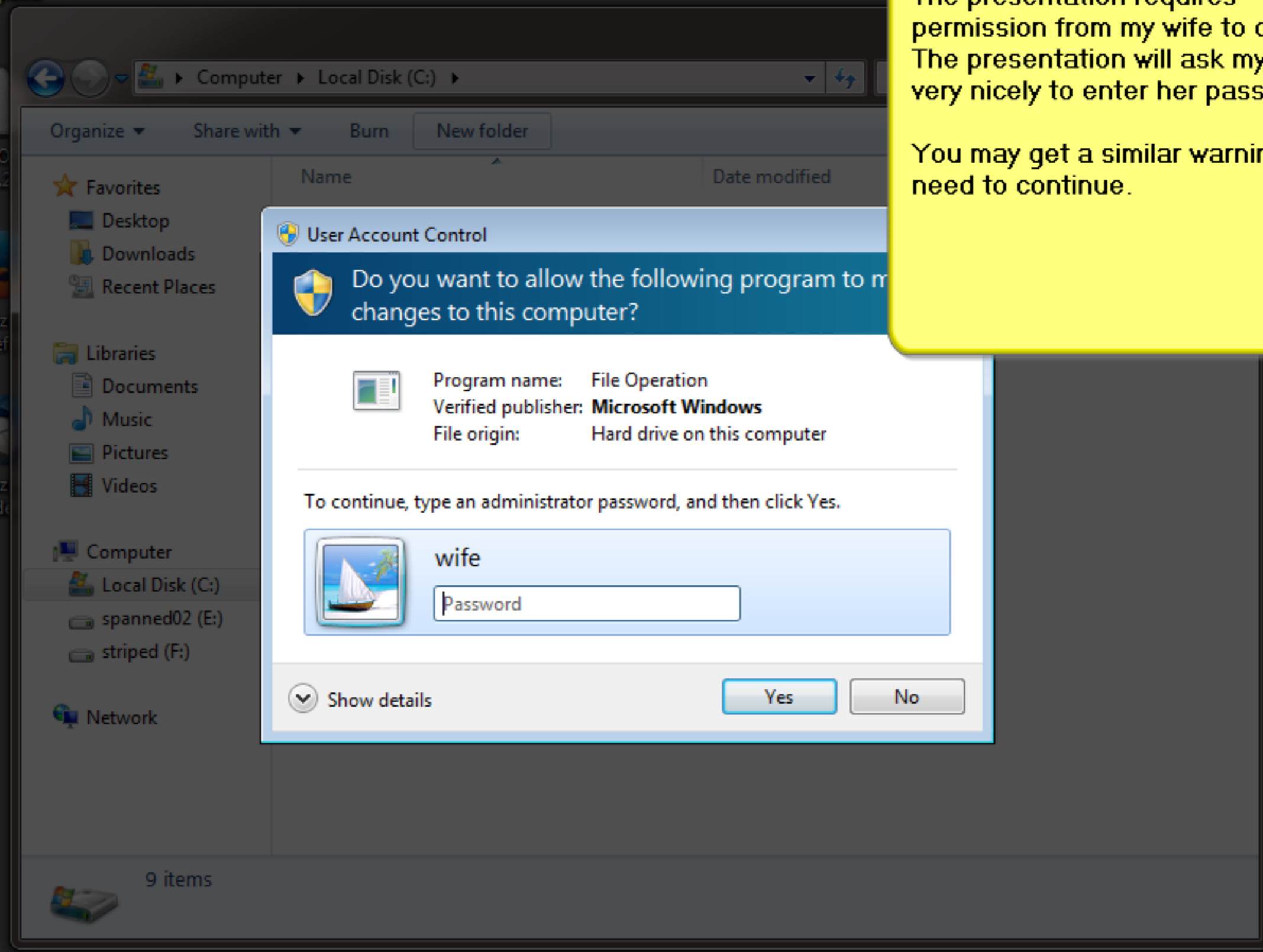
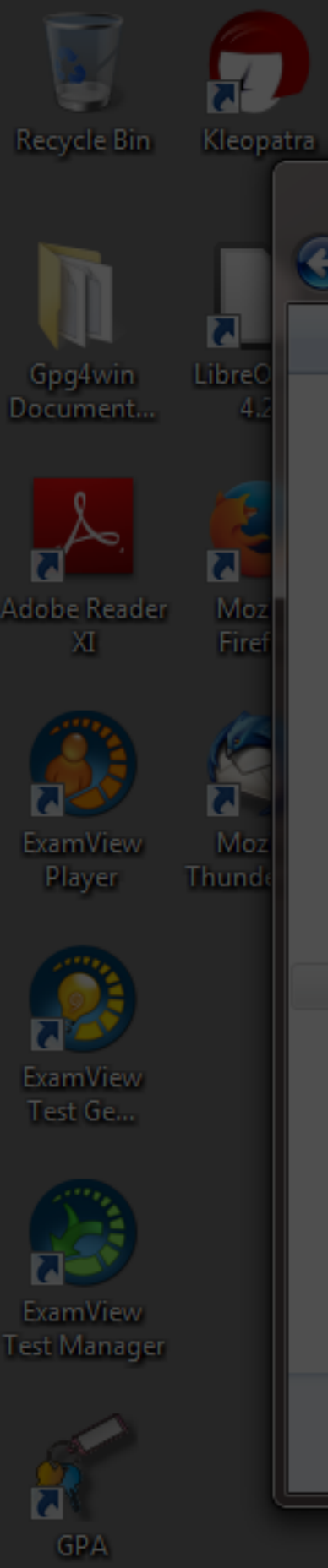
You need to confirm this operation.

Local Disk  
Space free: 27.8 GB  
Total size: 59.8 GB

Continue Skip Cancel

The presentation selected create a new folder. The presentation is asked to confirm the folder creation.





The presentation requires permission from my wife to continue. The presentation will ask my wife very nicely to enter her password. You may get a similar warning. You need to continue.

Computer > Local Disk (C:) > Search Local Disk (C:)

Organize | Open | Include in library | Share with | Burn | New folder

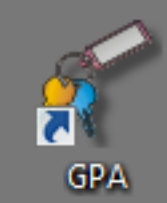
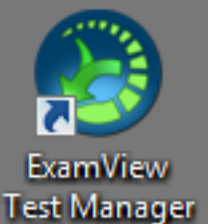
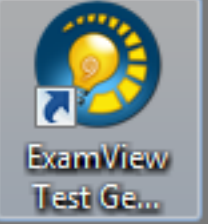
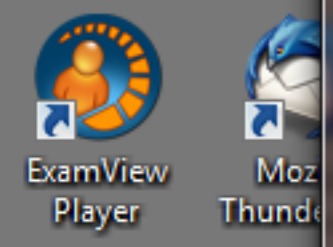
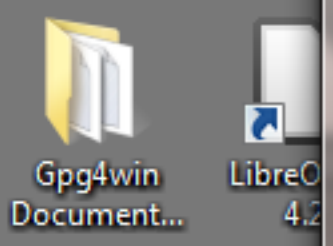
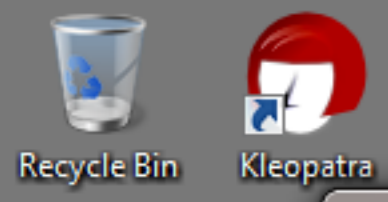
| Name                | Date modified        | Type        | Size |
|---------------------|----------------------|-------------|------|
| documents           | 2/13/2014 1:12 PM    | File folder |      |
| ExamView            | 9/20/2013 3:31 PM    | File folder |      |
| ExamViewInstall     | 9/20/2013 3:30 PM    | File folder |      |
| PerfLogs            | 3/26/2013 2:41 PM    | File folder |      |
| Program Files       | 10/29/2013 9:48 AM   | File folder |      |
| Program Files (x86) | 12/17/2013 6:29 PM   | File folder |      |
| temp                | 10/21/2013 11:44 ... | File folder |      |
| Users               | 3/18/2013 8:03 AM    | File folder |      |
| Windows             | 2/14/2014 12:18 PM   | File folder |      |
| <b>New folder</b>   | 2/14/2014 3:13 PM    | File folder |      |

Computer > Local Disk (C:) > spanned02 (E:) > striped (F:)

Network

New folder Date modified: 2/14/2014 3:13 PM  
File folder

The presentation needs to rename the folder.



Computer > Local Disk (C:) > Search Local Disk (C:)

Organize Open Include in library Share with Burn New folder

| Name                | Date modified        | Type        | Size |
|---------------------|----------------------|-------------|------|
| documents           | 2/13/2014 1:12 PM    | File folder |      |
| ExamView            | 9/20/2013 3:31 PM    | File folder |      |
| ExamViewInstall     | 9/20/2013 3:30 PM    | File folder |      |
| PerfLogs            | 3/26/2013 2:41 PM    | File folder |      |
| Program Files       | 10/29/2013 9:48 AM   | File folder |      |
| Program Files (x86) | 12/17/2013 6:29 PM   | File folder |      |
| temp                | 10/21/2013 11:44 ... | File folder |      |
| Users               | 3/18/2013 8:03 AM    | File folder |      |
| Windows             | 2/14/2014 12:18 PM   | File folder |      |
| demo                | 2/14/2014 3:13 PM    | File folder |      |

demo Date modified: 2/14/2014 3:13 PM  
File folder

The presentation names the folder 'demo', as shown.



Recycle Bin  
Kleopatra  
Gpg4win Document...  
LibreOffice 4.2  
Adobe Reader XI  
Mozilla Firefox  
ExamView Player  
Mozilla Thunderbird  
ExamView Test Ge...  
ExamView Test Manager  
GPA

Computer > Local Disk (C:) > demo

Search demo

Organize Include in library Share with New folder

| Name                  | Date modified | Type | Size |
|-----------------------|---------------|------|------|
| This folder is empty. |               |      |      |

0 items

This is the current contents of the demo folder.

- Recycle Bin
- Kleopatra
- Gpg4win Document...
- LibreOffice 4.2
- Adobe Reader XI
- Mozilla Firefox
- ExamView Player
- Mozilla Thunderbird
- ExamView Test Ge...
- ExamView Test Manager
- GPA

Untitled - Notepad

File Edit Format View Help

The presentation opens notepad to create the first required file.

Recycle Bin  
Kleopatra  
Gpg4win Document...  
LibreOffice 4.2  
Adobe Reader XI  
Mozilla Firefox  
ExamView Player  
Mozilla Thunderbird  
ExamView Test Ge...  
ExamView Test Manager  
GPA

Untitled - Notepad

```
File Edit Format View Help  
list disk  
list volume
```

The presentation types the diskpart commands as shown in notepad.

Recycle Bin  
Kleopatra  
Gpg4win Document...  
LibreOffice 4.2  
Adobe Reader XI  
Mozilla Firefox  
ExamView Player  
Mozilla Thunderbird  
ExamView Test Ge...  
ExamView Test Manager  
GPA

The presentation selects save as in notepad. The folder shown is incorrect. The next screen begins to correct the problem.

Untitled - Notepad

File Edit Format View

list disk  
list volume

Save As

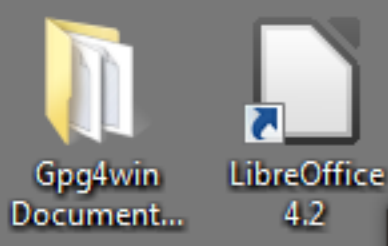
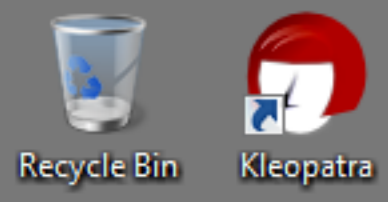
preuss > My Documents > demo

Organize New folder

| Name          | Date modified      | Type      |
|---------------|--------------------|-----------|
| settings.txt  | 2/14/2014 12:30 PM | Text Docu |
| wmic_data.txt | 2/14/2014 12:45 PM | Text Docu |

File name: \*.txt  
Save as type: Text Documents (\*.txt)  
Encoding: ANSI  
[Save] [Cancel]





Untitled - Notepad

File Edit Format View

list disk  
list volume

Save As

Computer > Local Disk (C:) >

Search Local Disk (C:)

Organize New folder

| Name                | Date modified        | Type        |
|---------------------|----------------------|-------------|
| demo                | 2/14/2014 3:13 PM    | File folder |
| documents           | 2/13/2014 1:12 PM    | File folder |
| ExamView            | 9/20/2013 3:31 PM    | File folder |
| ExamViewInstall     | 9/20/2013 3:30 PM    | File folder |
| PerfLogs            | 3/26/2013 2:41 PM    | File folder |
| Program Files       | 10/29/2013 9:48 AM   | File folder |
| Program Files (x86) | 12/17/2013 6:29 PM   | File folder |
| temp                | 10/21/2013 11:44 ... | File folder |
| Users               | 3/18/2013 8:03 AM    | File folder |
| Windows             | 2/14/2014 12:18 PM   | File folder |

File name: \*.txt

Save as type: Text Documents (\*.txt)

Encoding: ANSI

Save Cancel

The presentation selects the Local Disk (C:) option.

The presentation selects the demo folder.

- Recycle Bin
- Kleopatra
- Gpg4win Document...
- LibreOffice 4.2
- Adobe Reader XI
- Mozilla Firefox
- ExamView Player
- Mozilla Thunderbird
- ExamView Test Ge...
- ExamView Test Manager
- GPA

This is the correct folder. This will be the same on your system.

File Edit Format View  
list disk  
list volume

Save As

Local Disk (C:) demo

Organize New folder

|                             | Name | Date modified | Type |
|-----------------------------|------|---------------|------|
| No items match your search. |      |               |      |

Documents  
Music  
Pictures  
Videos

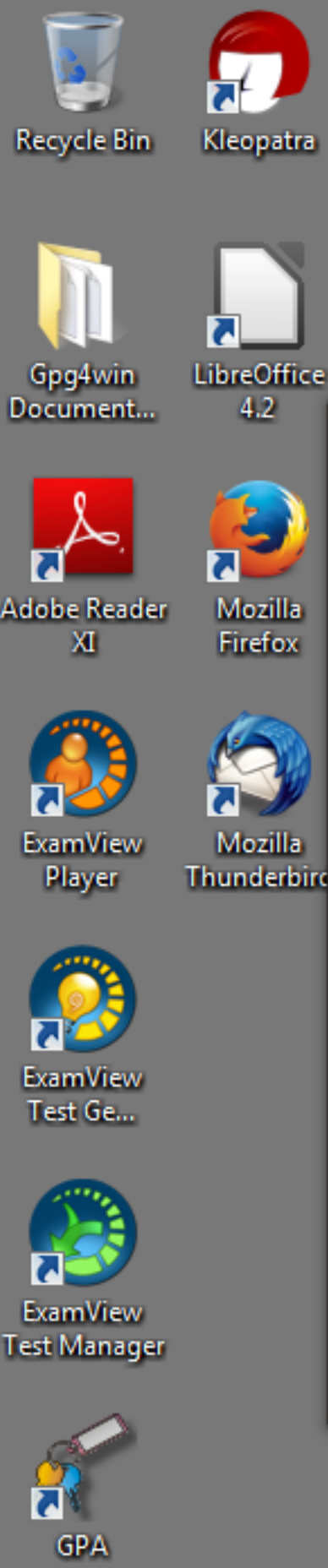
Computer  
Local Disk (C:)  
spanned02 (E:)  
striped (F:)

Network

File name: \*.txt  
Save as type: Text Documents (\*.txt)

Encoding: ANSI

Hide Folders Save Cancel



Untitled - Notepad  
File Edit Format View  
list disk  
list volume

The presentation names the file settings.txt as shown. Then the file is saved.

Save As

<< Local Disk (C:) >> demo

Organize New folder

| Name                        | Date modified | Type |
|-----------------------------|---------------|------|
| No items match your search. |               |      |

Documents  
Music  
Pictures  
Videos

File name: settings.txt

Save as type: Text Documents (\*.txt)

Encoding: ANSI

Hide Folders Save Cancel

Recycle Bin  
Kleopatra  
Gpg4win Document...  
LibreOffice 4.2  
Adobe Reader XI  
Mozilla Firefox  
ExamView Player  
Mozilla Thunderbird  
ExamView Test Ge...  
ExamView Test Manager  
GPA

settings.txt - Notepad

File Edit Format View Help

```
list disk  
list volume
```

The presentation successfully saved the file. The presentation closes the file.



- Recycle Bin
- Kleopatra
- Gpg4win Document...
- LibreOffice 4.2
- Adobe Reader XI
- Mozilla Firefox
- ExamView Player
- Mozilla Thunderbird
- ExamView Test Ge...
- ExamView Test Manager
- GPA

Untitled - Notepad

File Edit Format View Help

The presentation opens a new empty notepad file.

```
REM This will collect diskpart and wmic disk and volume data
```

```
REM Preuss 2/14/2014
```

```
echo 'This will collect the diskpart data' >> c:\demo\vol_info.txt
```

```
echo 'Remember to create the settings.txt file' >> c:\demo\vol_info.txt
```

```
diskpart /s c:\demo\settings.txt >> c:\demo\vol_info.txt
```

```
echo 'This will collect the wmic data' >> c:\demo\vol_info.txt
```

```
wmic /output:wmic_data.txt volume
```

```
type wmic_data.txt >> c:\demo\vol_info.txt
```

```
echo 'This is the source code' >> c:\demo\vol_info.txt
```

```
type c:\demo\volinfo.bat >> c:\demo\vol_info.txt
```

```
notepad c:\demo\vol_info.txt
```

The presentation enters the text as shown in notepad. This is the batch file that will do the work.



Windows Batch File

Size: 572 bytes

GPA



EN



3:41 PM

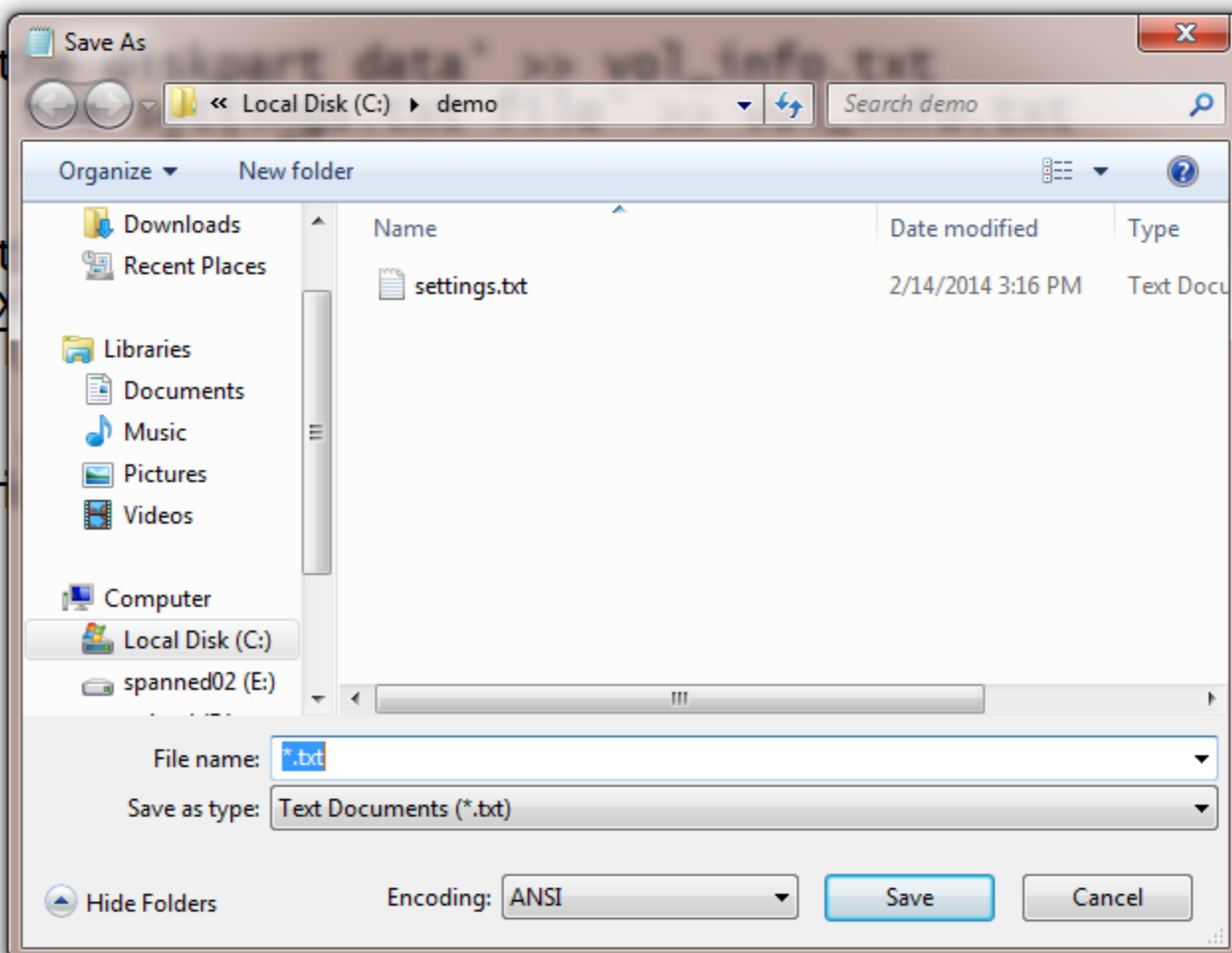
2/14/2014

```
REM This will collect diskpart and wmic disk and volume data  
REM Preuss 2/14/2014
```

```
echo 'This will collect t  
echo 'Remember to create
```

The presentation selects save as in notepad. Under computer, select Local Disk (C:), then select the folder demo. The settings file should be in the folder.

Wait for the next screen to finish the save as process.



Untitled - Notepad

File Edit Format View Help

```
REM This will collect diskpart and wmic disk and volume data  
REM Preuss 2/14/2014
```

```
echo 'This will collect t  
echo 'Remember to create
```

The presentation changes the File name to volinfo.bat. The presentation changes the Save as type as All Files.

This is shown to the right. Once the settings are done, then save.

Save As dialog box showing file name 'volinfo.bat' and save as type 'All Files (\*.\*)'.

Location: Local Disk (C:) > demo

| Name         | Date modified     | Type      |
|--------------|-------------------|-----------|
| settings.txt | 2/14/2014 3:16 PM | Text Docu |

File name: volinfo.bat  
Save as type: All Files (\*.\*)  
Encoding: ANSI

Buttons: Save, Cancel





Recycle Bin  
Kleopatra  
Gpg4win Document...  
LibreOffice 4.2  
Adobe Reader XI  
Mozilla Firefox  
ExamView Player  
Mozilla Thunderbird  
ExamView Test Ge...  
ExamView Test Manager  
GPA

Computer > Local Disk (C:) > demo

Organize Include in library Share with Burn New folder

| Name         | Date modified     | Type               | Size |
|--------------|-------------------|--------------------|------|
| settings.txt | 2/14/2014 3:16 PM | Text Document      | 1 KB |
| volinfo.bat  | 2/14/2014 3:41 PM | Windows Batch File | 1 KB |

2 items

The presentation opens the folder c:\demo. The presentation selects computer, Local Disk (C:), then the folder demo.

Recycle Bin Kleopatra  
Gpg4win Document... LibreOffice 4.2  
Adobe Reader XI Mozilla Firefox  
ExamView Player Moz Thund  
ExamView Test Ge...  
ExamView Test Manager  
GPA

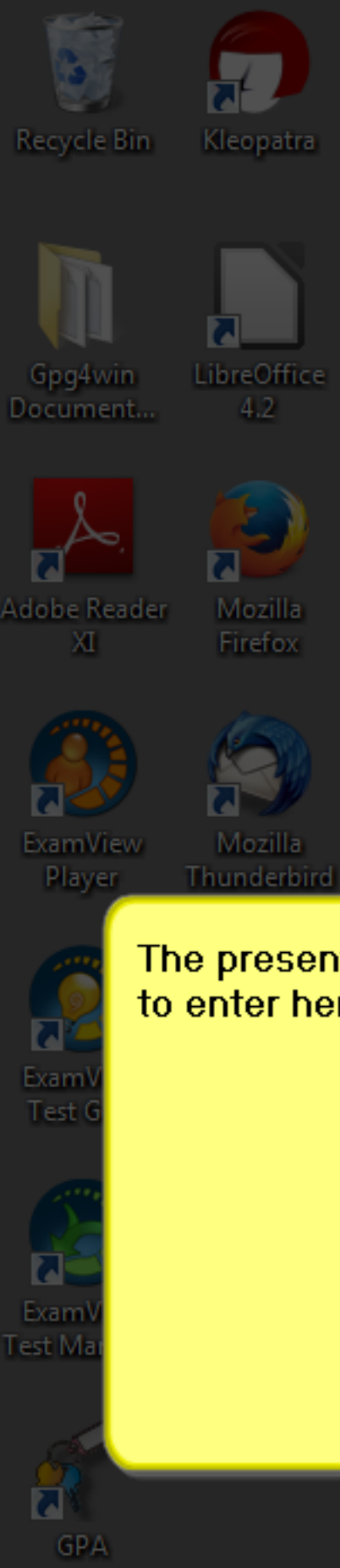
Computer > Local Disk (C:) > demo

Organize Open Print Burn New folder

| Name         | Date modified     | Type               | Size |
|--------------|-------------------|--------------------|------|
| settings.txt | 2/14/2014 3:16 PM | Text Document      | 1 KB |
| volinfo.bat  | 2/14/2014 3:41 PM | Windows Batch File | 1 KB |

Context menu for volinfo.bat:  
Open  
Edit  
Print  
Run as administrator  
Troubleshoot compatibility  
7-Zip  
Scan with Microsoft Security Essentials...  
Sign and encrypt  
More GpgEX options  
Restore previous versions  
Send to  
Cut  
Copy  
Create shortcut  
Delete  
Rename  
Properties

The presentation right clicks on the volinfo.bat file. The presentation selects Run as administrator.



Computer > Local Disk (C:) > demo

Organize Open Print Burn New folder

| Name      | Date modified | Type | Size |
|-----------|---------------|------|------|
| ment      |               |      | 1 KB |
| atch File |               |      | 1 KB |

Program name: Windows Command Processor  
Verified publisher: **Microsoft Windows**  
File origin: Hard drive on this computer

To continue, type an administrator password, and then click Yes.

wife  
password

Show details Yes No

Date modified: 2/14/2014 3:41 PM Date created: 2/14/2014 3:18 PM  
Size: 572 bytes

The presentation requests my wife to enter her password to continue.

vol\_info.txt - Notepad

File Edit Format View Help

'This will collect the diskpart data'  
 'Remember to create the settings.txt file'

Microsoft DiskPart version 6.1.7601  
 Copyright (C) 1999-2008 Microsoft Corporation.  
 On computer: WIN7-AL

| Disk ### | Status | Size    | Free    | Dyn | Gpt |
|----------|--------|---------|---------|-----|-----|
| Disk 0   | Online | 60 GB   | 0 B     |     |     |
| Disk 1   | Online | 5120 MB | 1024 KB | *   |     |
| Disk 2   | Online | 6144 MB | 1024 KB | *   |     |
| Disk 3   | Online | 2048 MB | 1984 KB | *   |     |
| Disk 4   | Online | 1024 MB | 1022 MB |     |     |
| Disk 5   | Online | 1024 MB | 1022 MB |     |     |
| Disk 6   | Online | 2048 MB | 1984 KB | *   |     |

| Volume ### | Ltr | Label     | Fs      | Type      | Size    | Status   | Info   |
|------------|-----|-----------|---------|-----------|---------|----------|--------|
| Volume 0   | F   | striped   | NTFS    | Stripe    | 4090 MB | Healthy  |        |
| Volume 1   | E   | spanned02 | NTFS    | Spanned   | 10 GB   | Healthy  |        |
| Volume 2   | D   |           | DVD-ROM |           | 0 B     | No Media |        |
| Volume 3   |     |           | NTFS    | Partition | 100 MB  | Healthy  | System |
| Volume 4   | C   |           | NTFS    | Partition | 59 GB   | Healthy  | Boot   |

'This will collect the wmic data'

| Access | Automount | Availability | BlockSize | BootVolume | Capacity                               | Caption |
|--------|-----------|--------------|-----------|------------|--|---------|
| TRUE   |           | 4096         | FALSE     | 104853504  | \\?\Volume{a75ee1d9-6a63-11e2-bd66-806 |         |

This is part of the output. This output may be copied into a word processor and saved as a pdf file.

vol\_i  
demo\  
kt  
info.