

PRACTICAL NO. 03

Using Forensic Toolkit (FTK) & Writing report using FTK (AccessData FTK)

Aim: Using Windows Forensics Tools.

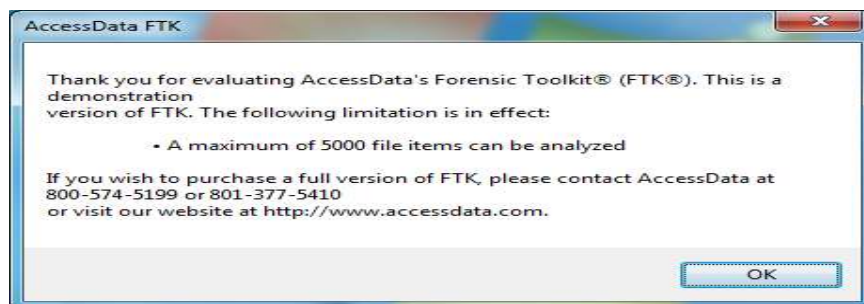
Step 1: Start Forensic Toolkit.



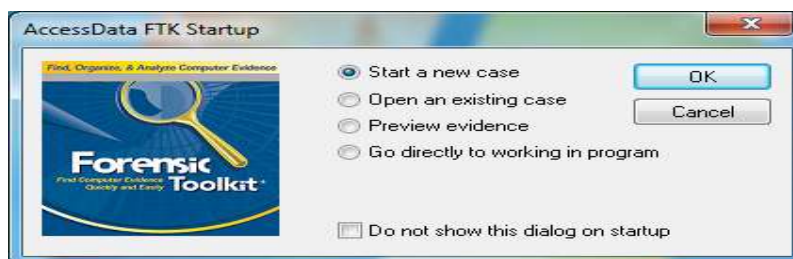
Step 2: Here, prompted with a warning dialog box, click on OK to continue.



Step 3: click on OK button.



Step 4: Now select Start New Case option and click on ok.



Step 5: Enter the detail for a New case.

New Case

AccessData's
Forensic Toolkit®-FTK®
The Complete Analysis Tool

Wizard for Creating a New Case

Investigator Name: MscIT2018

Case Information

Case Number: 24

Case Name: FTK_TEST

Case Path: C:\Users\Khushi\Desktop\MscIT2018\ Browse...

Case Folder: C:\Users\Khushi\Desktop\MscIT2018\FTK_TEST

Case Description:

Next > Cancel

Step 6: Fill the information in Forensic Examiner Information dialog box.

FTK Report Wizard - Case Information

Forensic Examiner Information

The following information will appear on the Case Information page of the report:

Agency/Company: Abc

Examiner's Name: UPG

Address: Mumbai

Phone: 858484616 Fax:

E-Mail: upg@mail.com

Comments: TESTING OF FTK

< Back Next > Cancel

Step 7: leave the default settings and click on next.

Case Log Options

The case log is a text file named FTKlog in the case folder. It gets created automatically by FTK and contains a record of events that occur during the course of the case. You can choose which type of events you would like to be logged. You can also add your own comments to the log file at any time by selecting "Add Case Log Entry..." under the "Tools" menu item, and you can view the log file by selecting "View Case Log" under the "Tools" menu item.

Events to go in the Case Log

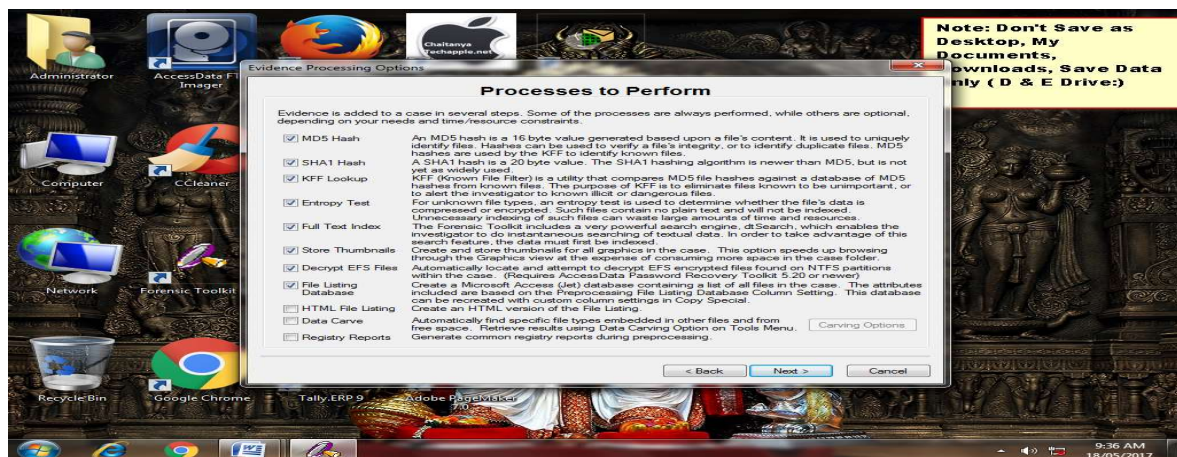
<input checked="" type="checkbox"/> Case and evidence events	Events related to the addition and processing of file items when evidence is added or when using Analysis Tools later in the case.
<input checked="" type="checkbox"/> Error messages	Events related to any error conditions encountered during the case.
<input checked="" type="checkbox"/> Bookmarking events	Events related to the addition and modification of bookmarks.
<input checked="" type="checkbox"/> Searching events	Events related to searching. All search queries and resulting hit counts will be recorded.
<input checked="" type="checkbox"/> Data carving / Internet searches	Events related to special data carving or internet keyword searches that are performed during the case.
<input checked="" type="checkbox"/> Other events	Other events not related to the above, such as copying, viewing, and ignoring files.

< Back Next > Cancel

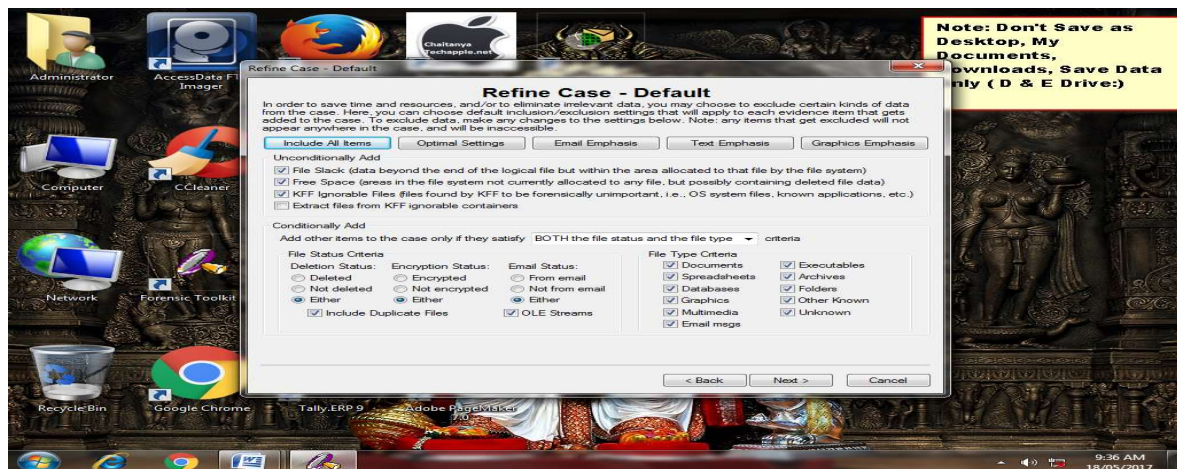
Note: Don't Save as Desktop, My Documents, Downloads, Save Data only (D & E Drive:)

9:35 AM 18/05/2017

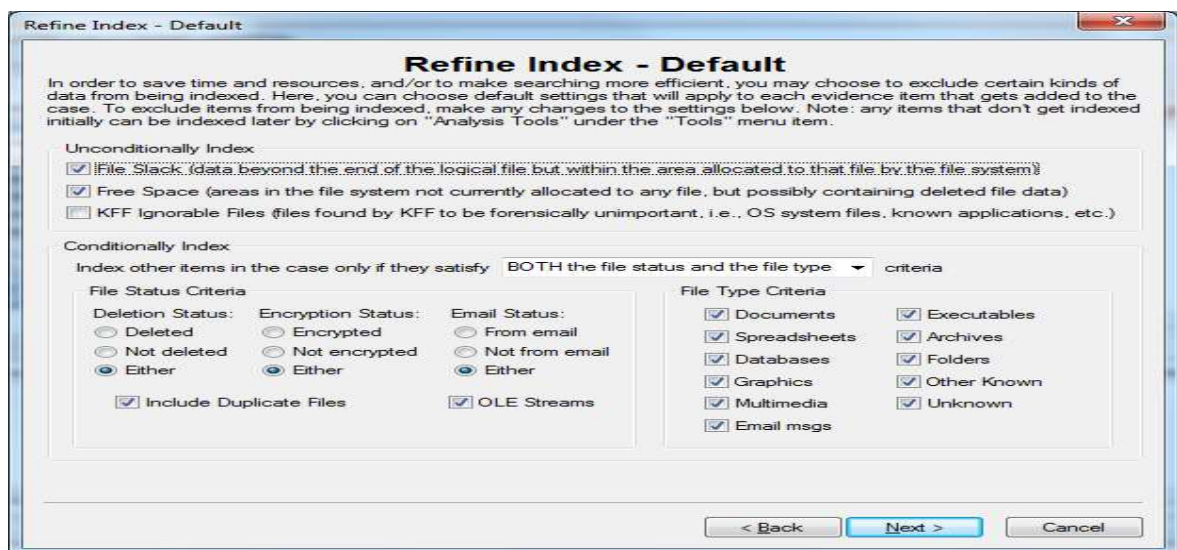
Step 8: Now again leave the default settings and click on next.



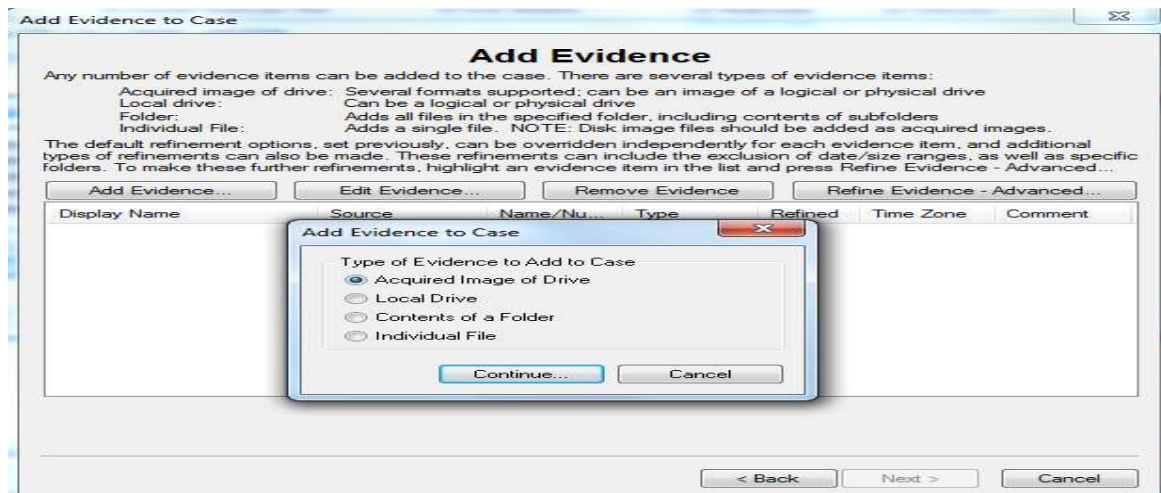
Step 9: In the Refine Case-Default, click the Include All items button and then click Next.



Step 10: In Refine Index-Default, accept the default settings and click Next.

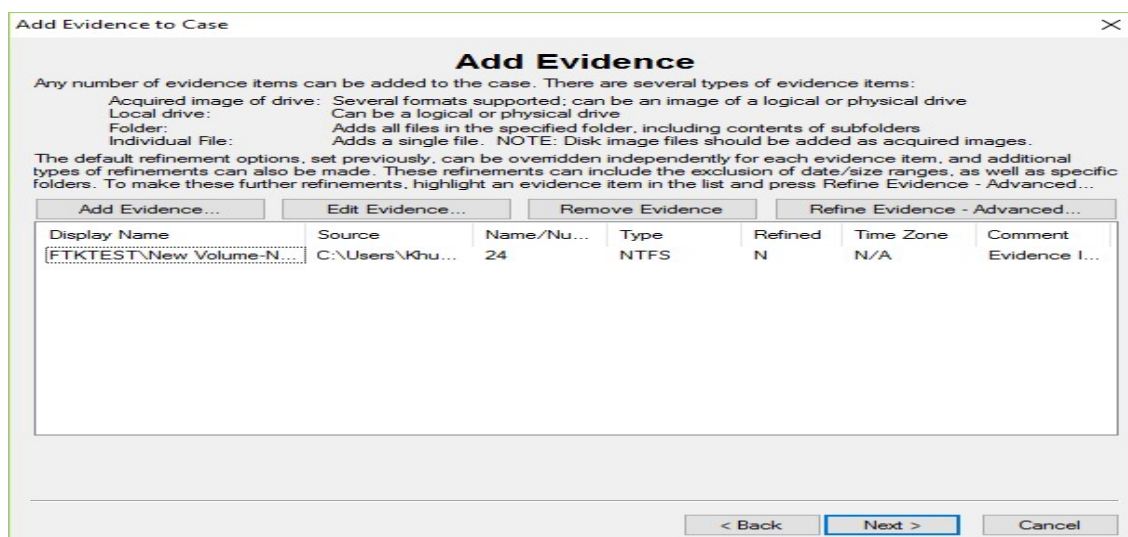


Step 11: Now here Click on add Evidence button.



Step 12: Enter Evidence Information and click on OK button.

Step 13: Now click on Next.



Step 14: Click on Finish to initiate the analysis.

Case Summary

New Case Setup is Now Complete

Case Settings

Case directory where the file database, index, and other case-specific files will be stored:
C:\Users\Khushi\Desktop\MscIT2018\FTK_TEST

Number of Evidence Items: 1

Processes to be Performed:

File Extraction:	Yes
File Identification:	Yes
MD5 Hash:	Yes
SHA1 Hash:	Yes
KFF Lookup:	Yes
Entropy Test:	Yes
Full Text Index:	Yes
Store Thumbnails:	Yes
Decrypt EFS Files:	Yes
File Listing Database:	Yes
File Listing HTML:	No
Data Carving:	No
Registry Reports:	No

Remember that although each of these processes adds to the initial processing time, they each play an important role in the investigation process.

Processes that are not performed initially can be initiated at a later point in the investigation except the HTML file listing and automated Registry Reports. Additional evidence can also be added later.

Press "Back" if you wish to review or change your settings
Press "Finish" to accept the current settings and start processing the evidence

< Back Finish Cancel

Step 15: Now Processing Will Start.....

Processing Files...

Current Evidence Item:
C:\Users\Khushi\Desktop\MscIT2018\FTKTEST.E01

Current File Item:
FTKTEST\New Volume-NTFS\Extend\%RmMetadata%\Repair\%Corrupt

Current File Item Status

Action:	Indexing
File Type:	Unknown File Type
Item Size:	2,097,152
Progress:	90%

Total Process Status

Elapsed Time:	0:00:00:03
Total Items Examined:	32
Total Items Added:	32
Total Items Indexed:	20

Log the case/system status every 10 minutes ☐ Log extended information

Cancel

Step 16: when FTK finishes the processing part, the FTK window opens to the Overview tab.

AccessData FTK 1.81.0 DEMO VERSION -- C:\Users\Khushi\Desktop\MscIT2018\FTK_TEST\

File Edit View Tools Help

Overview Explore Graphics E-Mail Search Bookmark

Evidence Items: 1

File Status

KFF Alert Files:	0
Bookmarked Items:	0
Bad Extension:	0
Encrypted Files:	0
From E-mail:	0
Deleted Files:	0
From Recycle Bin:	0
Duplicate Items:	0
OLE Subitems:	0
Flagged Ignore:	0
KFF Ignorable:	0
Data Carved Files:	0

File Category

Documents:	0
Spreadsheets:	0
Databases:	0
Graphics:	0
Multimedia:	0
E-mail Messages:	0
Executables:	0
Archives:	0
Folders:	6
Slack/Free Space:	21
Other Known Type:	0
Unknown Type:	37

File Items

Total File Items:	64
Checked Items:	0
Unchecked Items:	64
Flagged Thumbnails:	0
Other Thumbnails:	0
Filtered In:	64
Filtered Out:	0

Unfiltered Filtered
All Items Actual Files

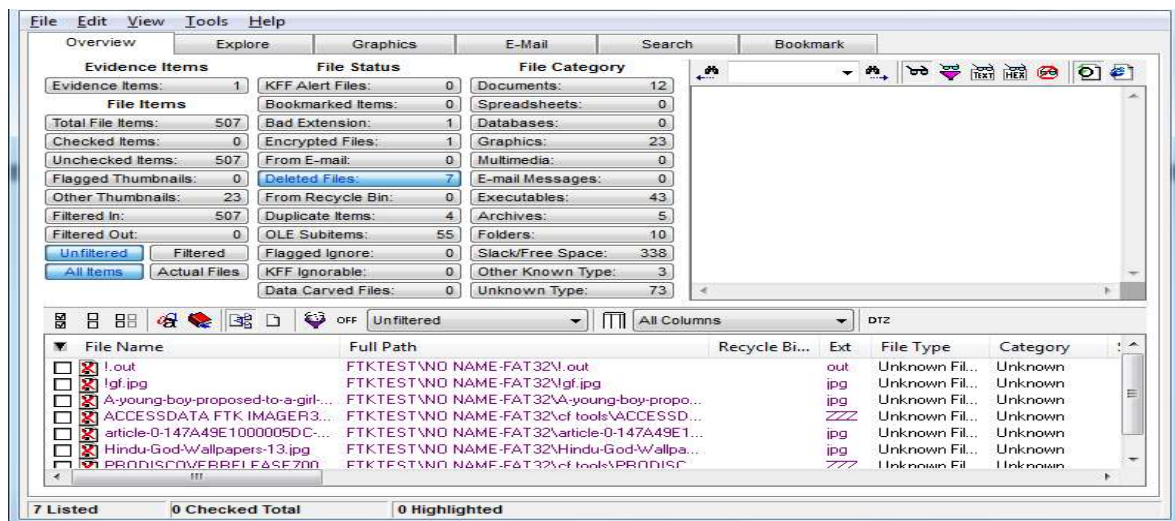
OFF Unfiltered

All Columns DTZ

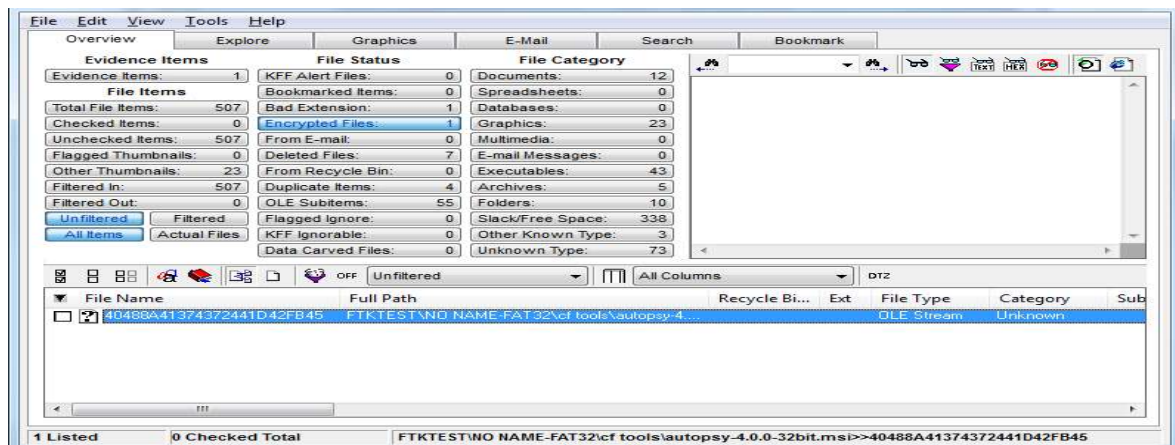
Evidence File Name	Evidence Path	Display Name	Identification Name/Num...	Evidence Type
FTKTEST.E01	C:\Users\Khushi\Desktop\MscIT2018	FTKTEST\New ...	24	NTFS

1 Listed 0 Checked Total 0 Highlighted

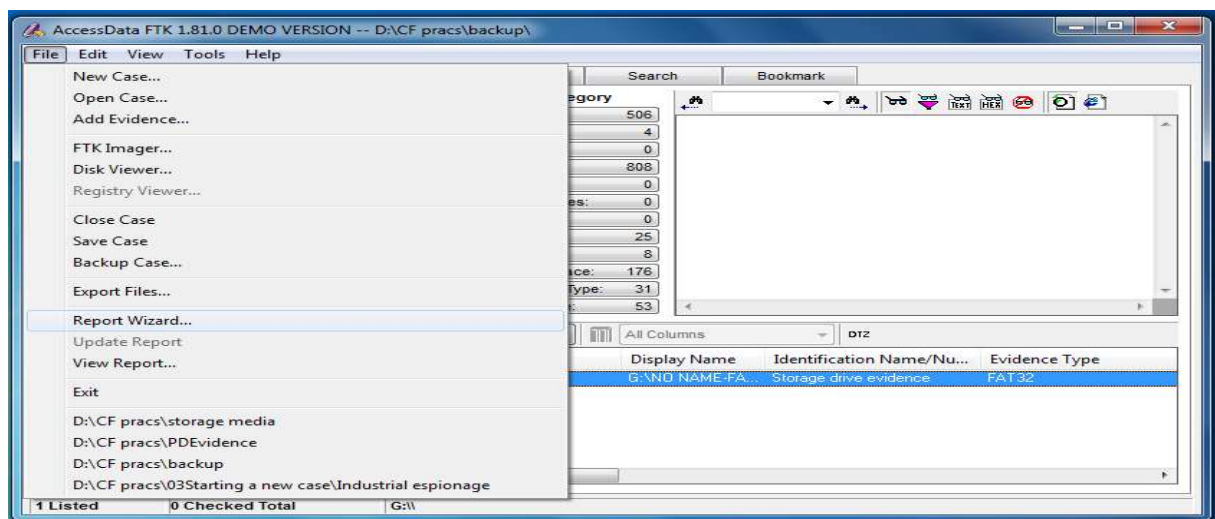
Step 17: Select Deleted Files option to explore the evidence items.



Step 18: Select Encrypted Files to view.

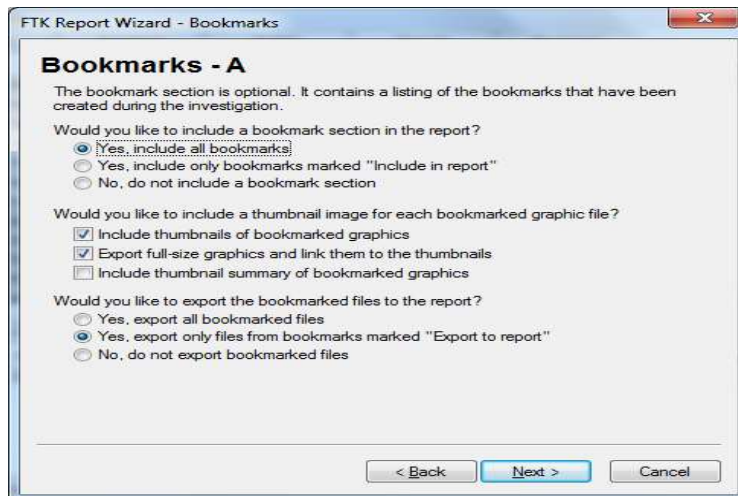


From the menu, select **Report**, and then **Generate Report** or click the button on the toolbar.





The Case Information dialog appears, enter the Case information and The Bookmarks-A & B dialog appears select what you want to include in report click next.



List File Properties dialog appear, include the list you want in Report and click next and Finish.

