

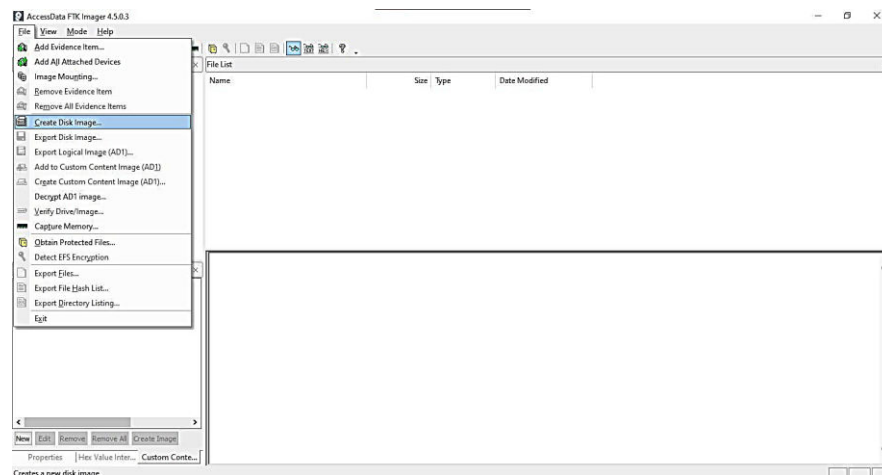
PRACTICAL NO: 07

Aim: Recovering and Inspecting deleted files

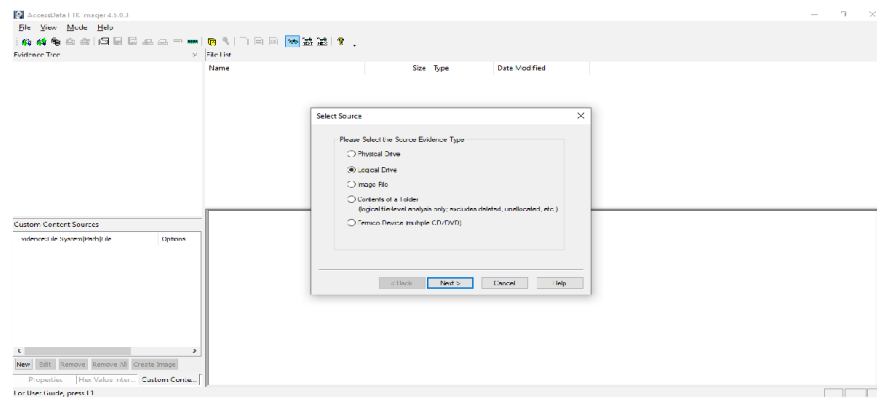
- Check for Deleted Files
- Recover the Deleted Files
- Analysing and Inspecting the recovered file0073

CREATING DISK IMAGE FILE:

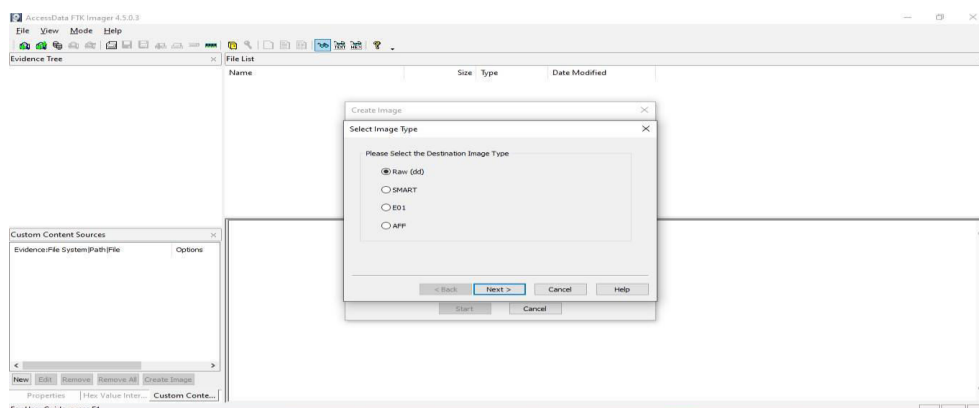
Step 1: Open AccessData FTK Imager, Click File, and then Create Disk Image.



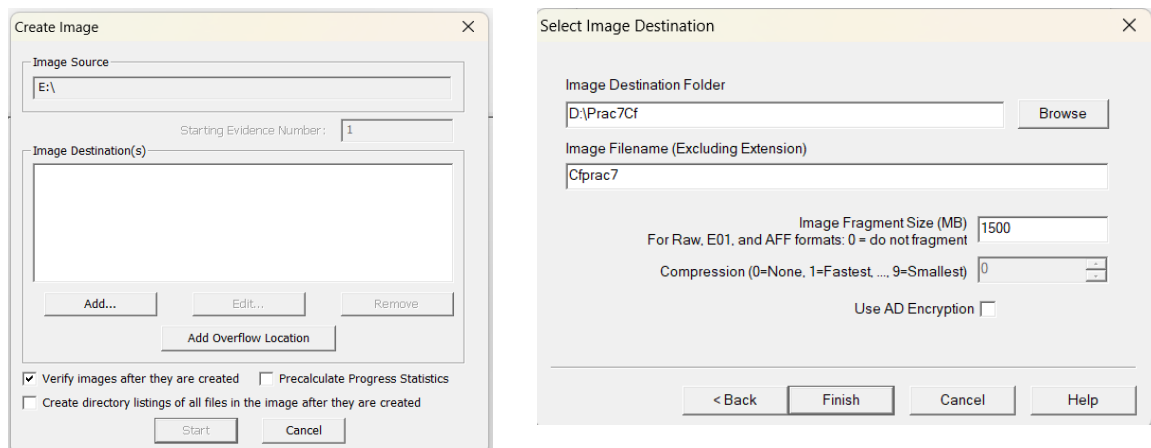
Step 2: Select the source evidence type you want to make an image of and click Next.



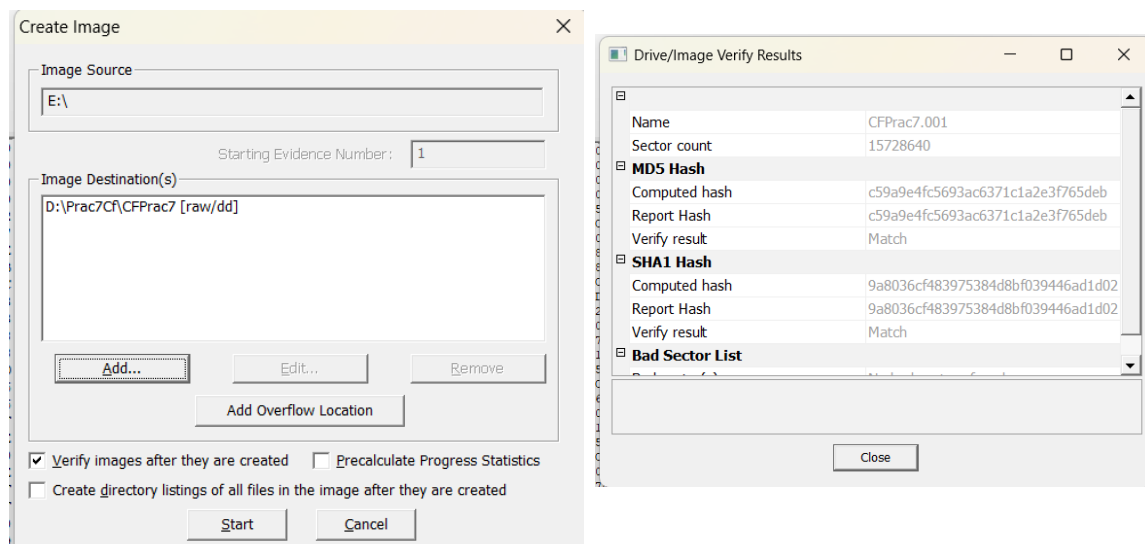
Step3: Select the source evidence drive with path.



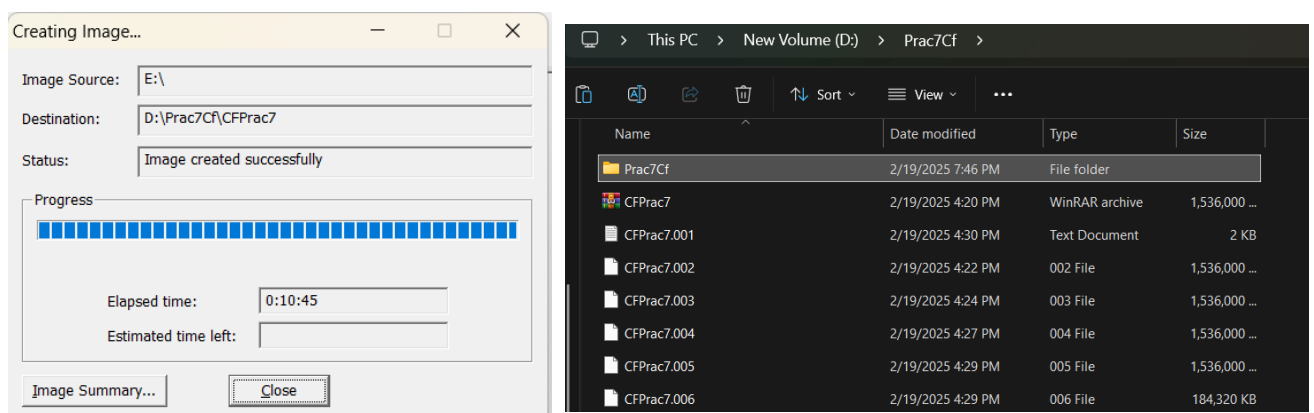
Click on “add” to add image destination



Step4: In the Image Destination Folder field, type the location path where you want to save the image file, or click Browse to find to the desired location.

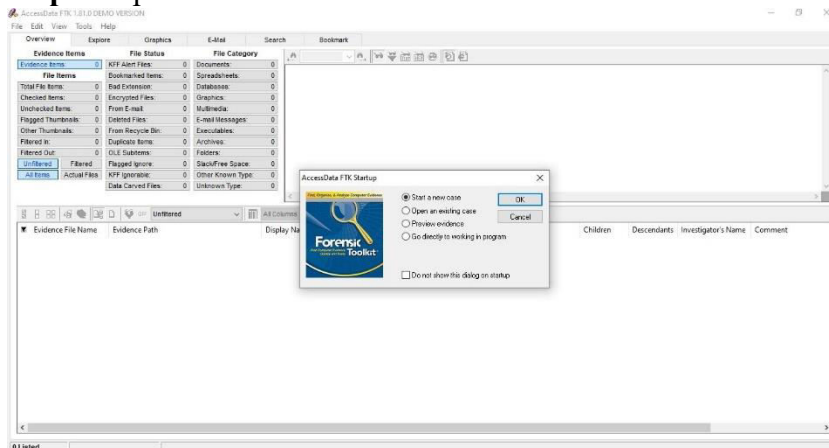


Step 5: After adding the image destination path click on finish and start the image processing. The images are successfully created

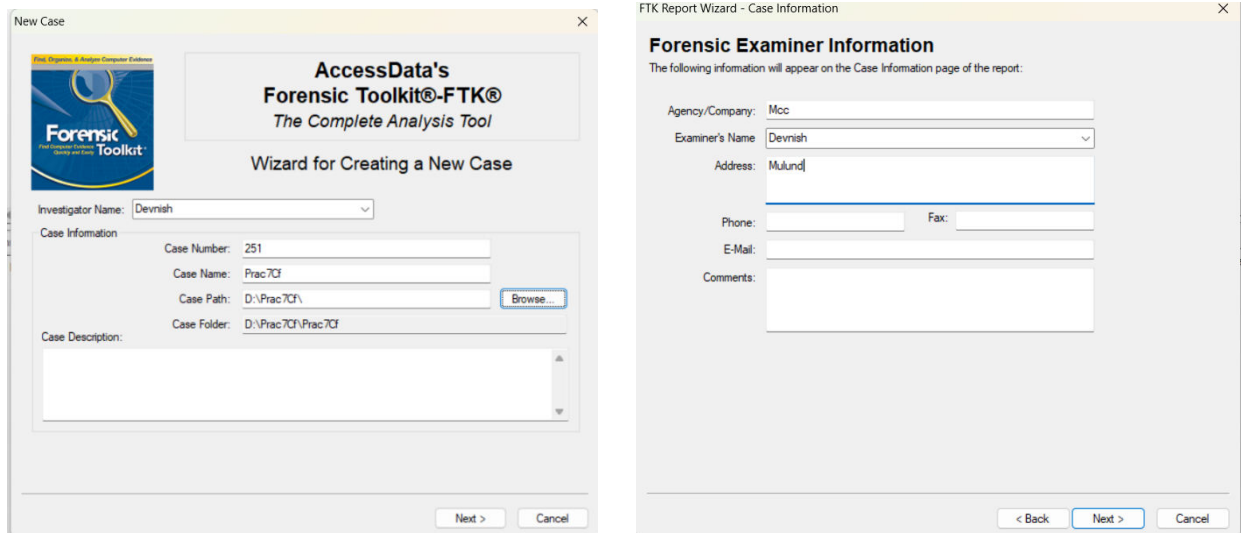


RECOVERING THE DELETED FILES:

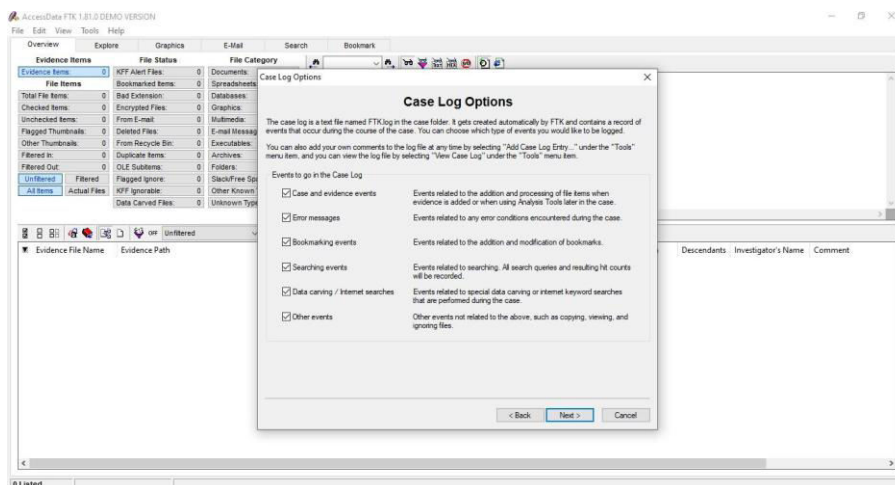
Step 1: Open Forensic Toolkit and click on “Start a new case”.

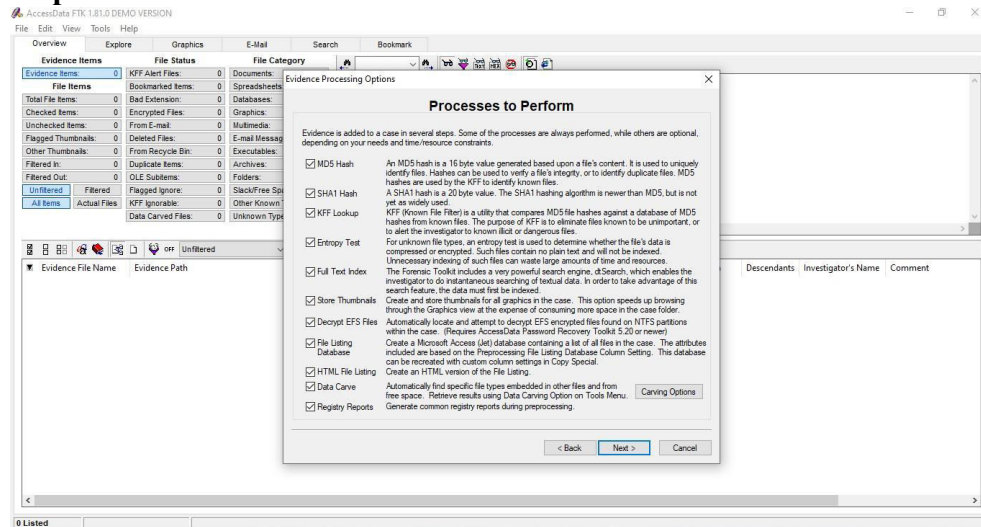
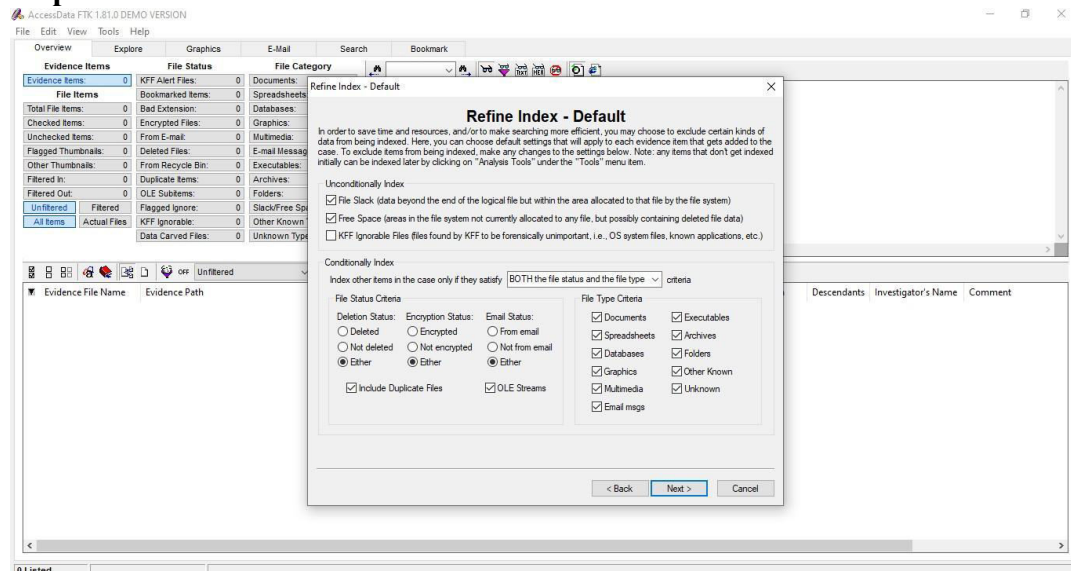
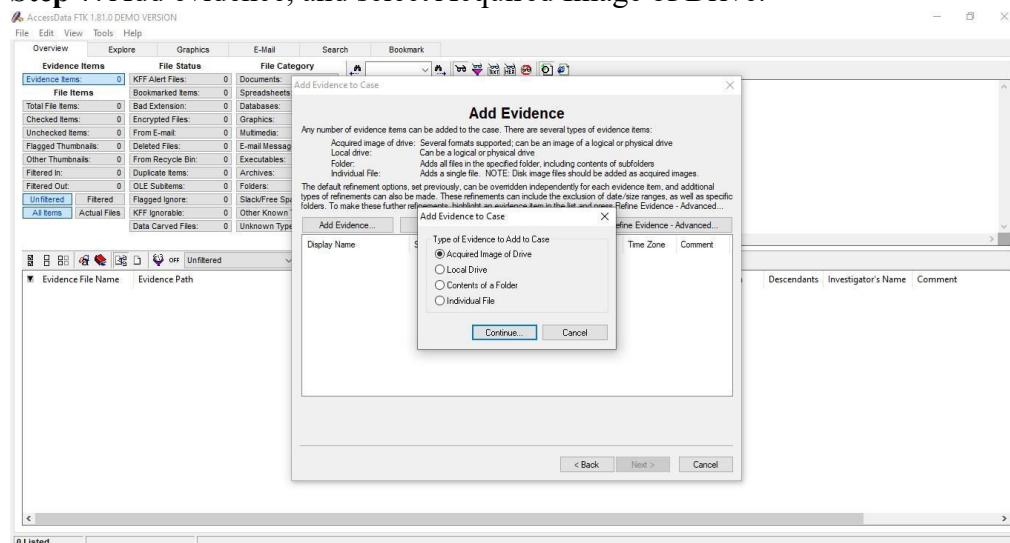


Step 2: Fill the following details and click next.



Step 3: Click next.



Step 4: Click next.**Step 6: Click Next.****Step 7: Add evidence, and select Acquired Image of Drive.**

Step 8: Fill the following and click OK.

Evidence Information

Evidence Location:
D:\CF\Prac7.001

Evidence Display Name:
Cfprac7

Evidence Identification Name/Number:

Comment:

Local Evidence Time Zone:
Choose time zone for evidence ...

OK Cancel

Add Evidence to Case

Add Evidence

Any number of evidence items can be added to the case. There are several types of evidence items:
 Acquired image of drive: Several formats supported; can be an image of a logical or physical drive
 Local drive: Can be a logical or physical drive
 Folder: Adds all files in the specified folder, including contents of subfolders
 Individual File: Adds a single file. NOTE: Disk image files should be added as acquired images.

The default refinement options, set previously, can be overridden independently for each evidence item, and additional types of refinements can also be made. These refinements can include the exclusion of date/size ranges, as well as specific folders. To make these further refinements, highlight an evidence item in the list and press Refine Evidence - Advanced...

Add Evidence... Edit Evidence... Remove Evidence Refine Evidence - Advanced...

Display Name	Source	Name/Nu...	Type	Refined	Time Zone	Comment
Cfprac7\NONAME-NTFS	D:\CF\Prac7....		NTFS	N	N/A	

< Back Next > Cancel

Step 9: Click finish.

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:
D:\Prac7\CF\Prac7\CF

Number of Evidence Items: 1

Processes to be Performed:

File Extraction:	Yes	Remember that although each of these processes adds to the initial processing time, they each play an important role in the investigation process.
File Identification:	Yes	
MD5 Hash:	Yes	
SHA1 Hash:	Yes	
KFF Lookup:	Yes	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.
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	

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

Let the process complete.

AccessData FTK 1.81.0 DEMO VERSION

File Edit View Tools Help

Overview Explore Graphics E-Mail Search Bookmark

Evidence Items: 0 KFF Alert Files: 0 Documents: 0

Processing Files...

Current Evidence Item:
D:\CF\Prac7.001

Current File Item:
Prac7\NONAME-NTFS\Office_Professional_Plus_2013_w32_English_x18-55138.ISO

Current File Item Status

Action:	Hashing and Entropy Test
File Type:	Unknown File Type
Item Size:	742,877,184
Progress:	54,681,600

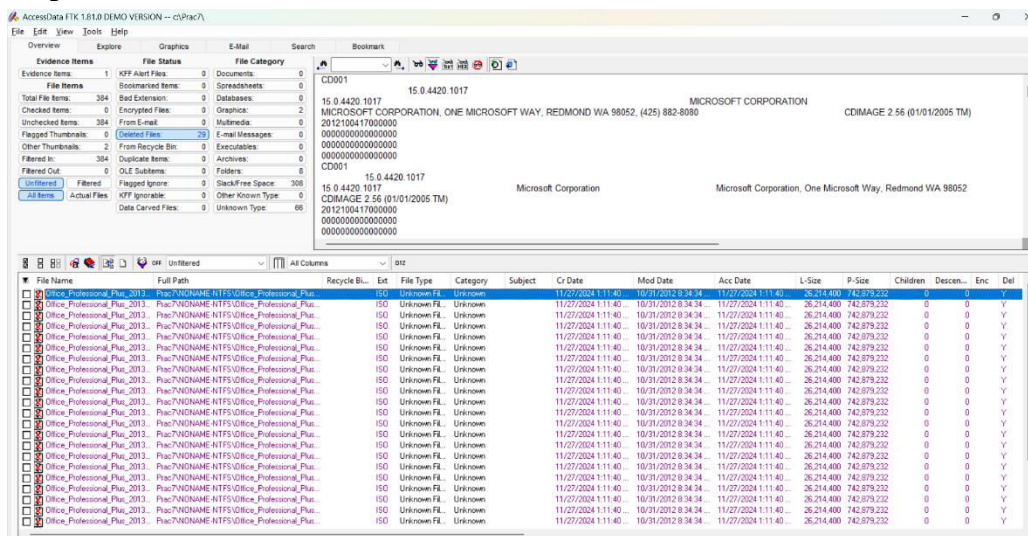
Total Process Status

Elapsed Time:	0:00:00:04
Total Items Examined:	46
Total Items Added:	45
Total Items Indexed:	26

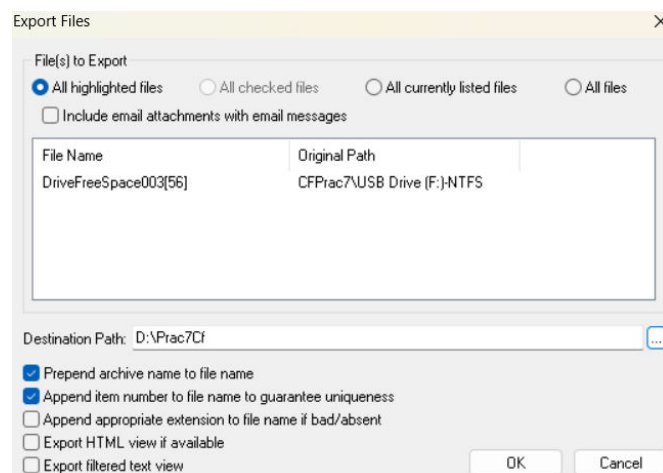
Log the case/system status every 10 minutes ☐ Log extended information

Cancel

0 Listed 0 Checked Total 0 Highlighted

Step 10: Find deleted files.**Step 11: Extract deleted files.**

Click on File Which you want to recover -> Right Click on that file and Select Export File
Select Destination path-> Click on Ok

**Step 12: Deleted files are recovered at the specified location.**