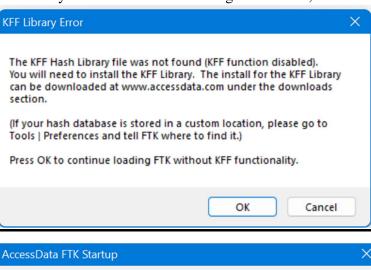
## **Cyber Forensics Practical 9**

## **Aim:- Email Forensics**

- Mail Service Providers
- Email protocols
- Recovering emails
- Analyzing email header

## Recovering email using AccessData FTK:

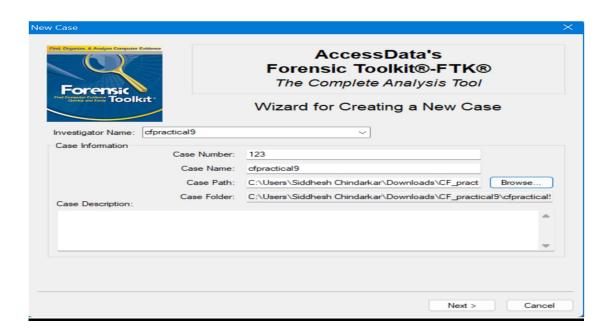
1. Start AccessData FTK by right-clicking the AccessData FTK desktop icon, clicking Run asadministrator, and clicking Continue in the UAC message box (if you're using Vista). If you're prompted with a warning message and/or notification (see Figure below), click OK as needed to continue. If asked whether you want to save the existing default case, click Yes.

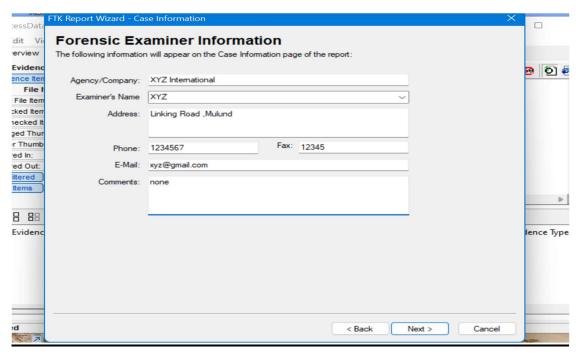


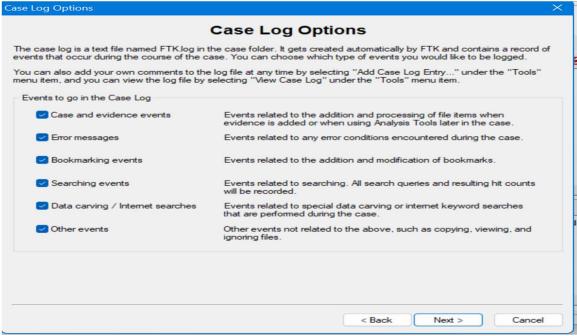


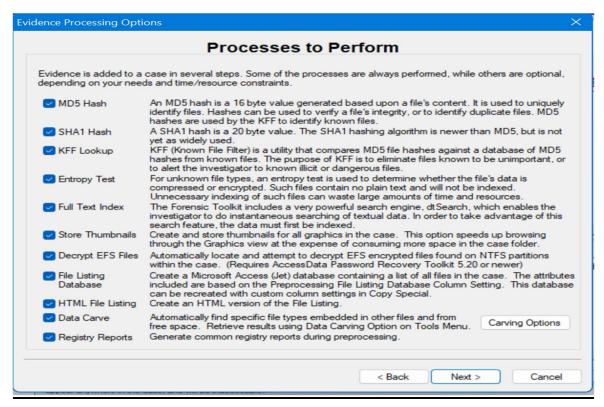
- 1. When the AccessData FTK Startup dialog box opens, click Start a new case, and then clickOK.
  - 2. In the New Case dialog box, type your name for the investigator name, and type the case number and case name. Click Browse, navigate to and click your work folder, click OK, andthen click Next.

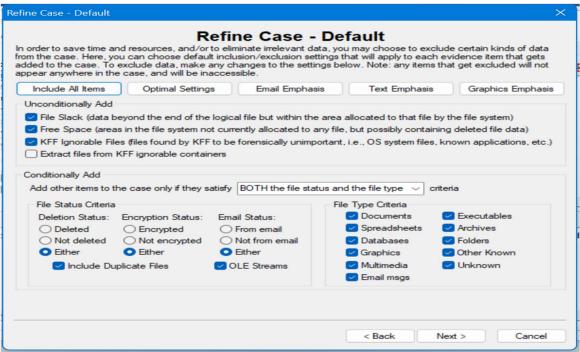
- 3. In the Case Information dialog box, enter your investigator information, and then clickNext.
- 4. Click Next until you reach the Refine Case Default dialog box, shown in Figure below.
- 5. Click the Email Emphasis button, and then click Next.
- 6. Click Next until you reach the Add Evidence to Case dialog box, and then click the AddEvidence button.
- 7. In the Add Evidence to Case dialog box, click the Individual File option button (see Figurebelow), and then click Continue.
- 8. In the Select File dialog box, navigate to your work folder, click the Jim shu's.pst file, andthen click Open.
- 9. In the Evidence Information dialog box, click OK.

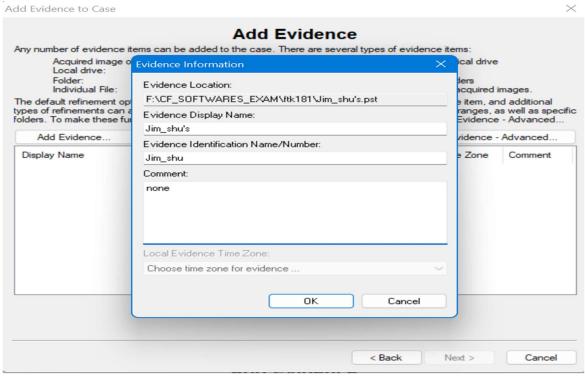


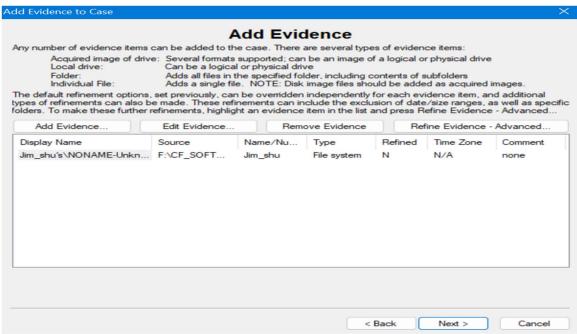


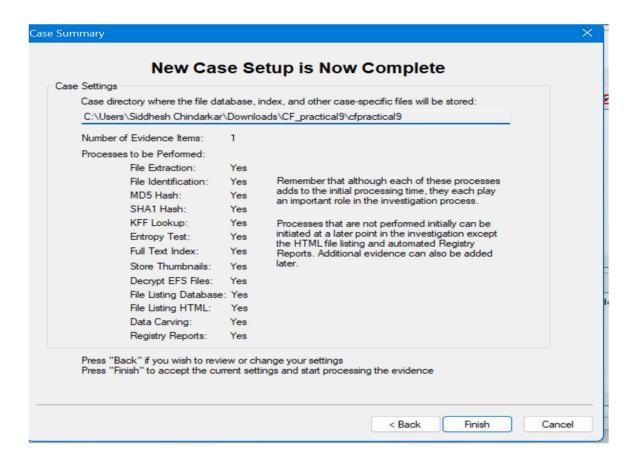


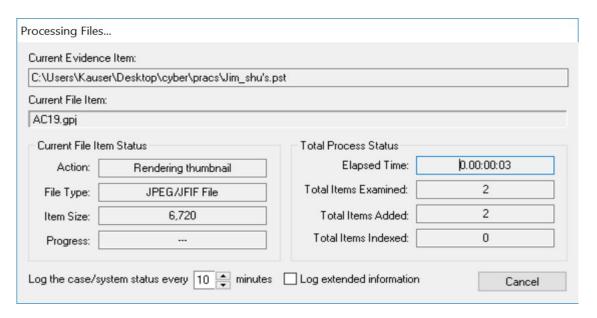






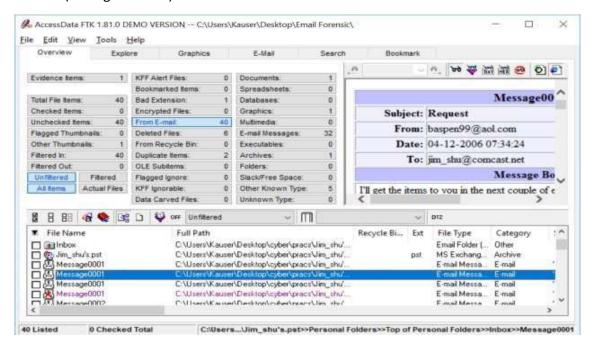




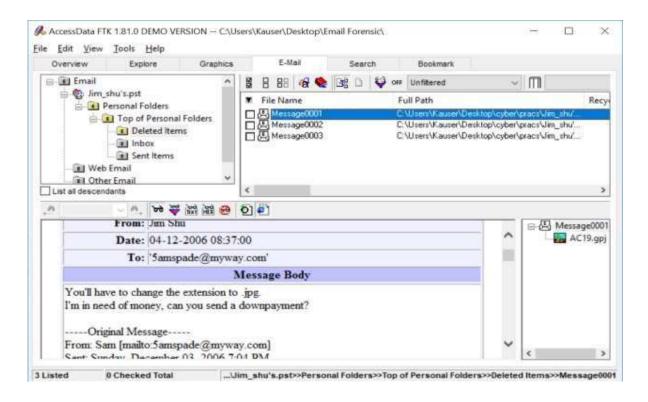


11. When the Add Evidence to Case dialog box opens, click Next. In the Case summary dialog box, click Finish.

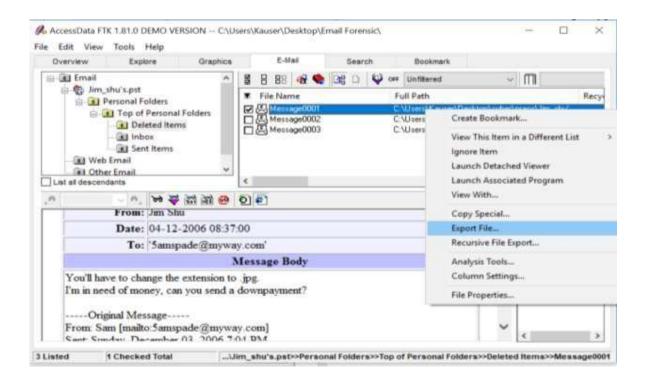
12. When FTK finishes processing the file, in the main FTK window, click the Email Messages button, and then click the Full Path column header to sort the records (see Figurebelow).

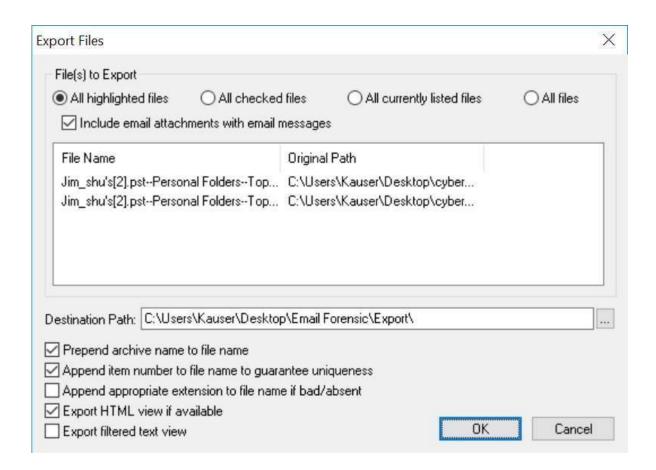


- For email recovery follow following steps:
- 1. Click the E-Mail tab. In the tree view, click to expand all folders, and then click the Deleted Items folder.

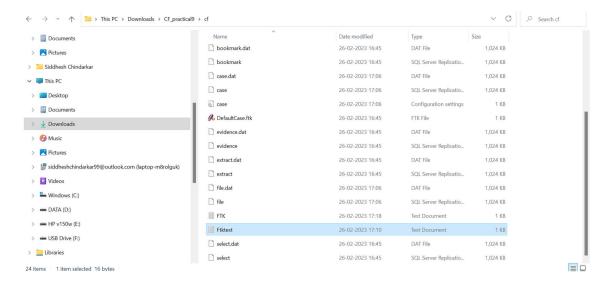


2.Right-click Message0010 in the File List pane and click Export File. In the Export Filesdialog box, click OK.





3. Open the Export folder to view the Email Files, Open the HTML file in browser



```
Outlook Header Information
    Conversation Topic: Bike spec's
     Subject: RE: Bike spec's
    From: Jim Shu
    Sender Name: Jim Shu
    To: '5amspade@myway.com'
    Delivery Time: 04-12-2006 08:37:00
    Creation Time: 04-12-2006 08:35:51
     Modification Time: 04-12-2006 08:35:51
    Submit Time: 04-12-2006 08:37:16
    Importance: Normal
    Priority: Normal
    Sensitivity: Normal
    Flags: 17 = Read, Has Attachment
    Size: 14360
FTK - Notepad
File Edit Format View Help
26-02-2023 17:18:20 -- FTK Version 1.81.0 build 08.09.25
        FTK Exe Path: C:\Program Files (x86)\AccessData\AccessData Forensic Toolkit 1.81.0\Program\ftk.exe
        Examiner's Machine:
        Phys Mem: Total: 2,147,483,647 Available: 2,147,483,647 Used: 0
Virt Mem: Total: 2,147,352,576 Available: 1,593,683,968 Used: 553,668,608
        Page File Available: 4,294,967,295
26-02-2023 17:18:20 -- Case saved by investigator cfpractical9
        Case Name: cf
        Case Number: 123
        Case Folder: C:\Users\Siddhesh Chindarkar\Downloads\CF_practical9\cf
        Description:
```