EXP 4: Using-the-Autopsy-retrieve-the-deleted-files

AIM:

To install Autopsy software on windows operating system and analyse the file and folder configuration.

EQUIPMENT REQUIRED:

- Hardware: Personal Computer (PC)

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DESIGN STEPS:

1. Copy Files to the Virtual Disk

- Open **File Explorer** → Go to the new drive (`E:`), where the folder created in the New Virtual Disk
- Create a new folder or use the entire disk and then copy **images or files** into it.

2. Delete the Files

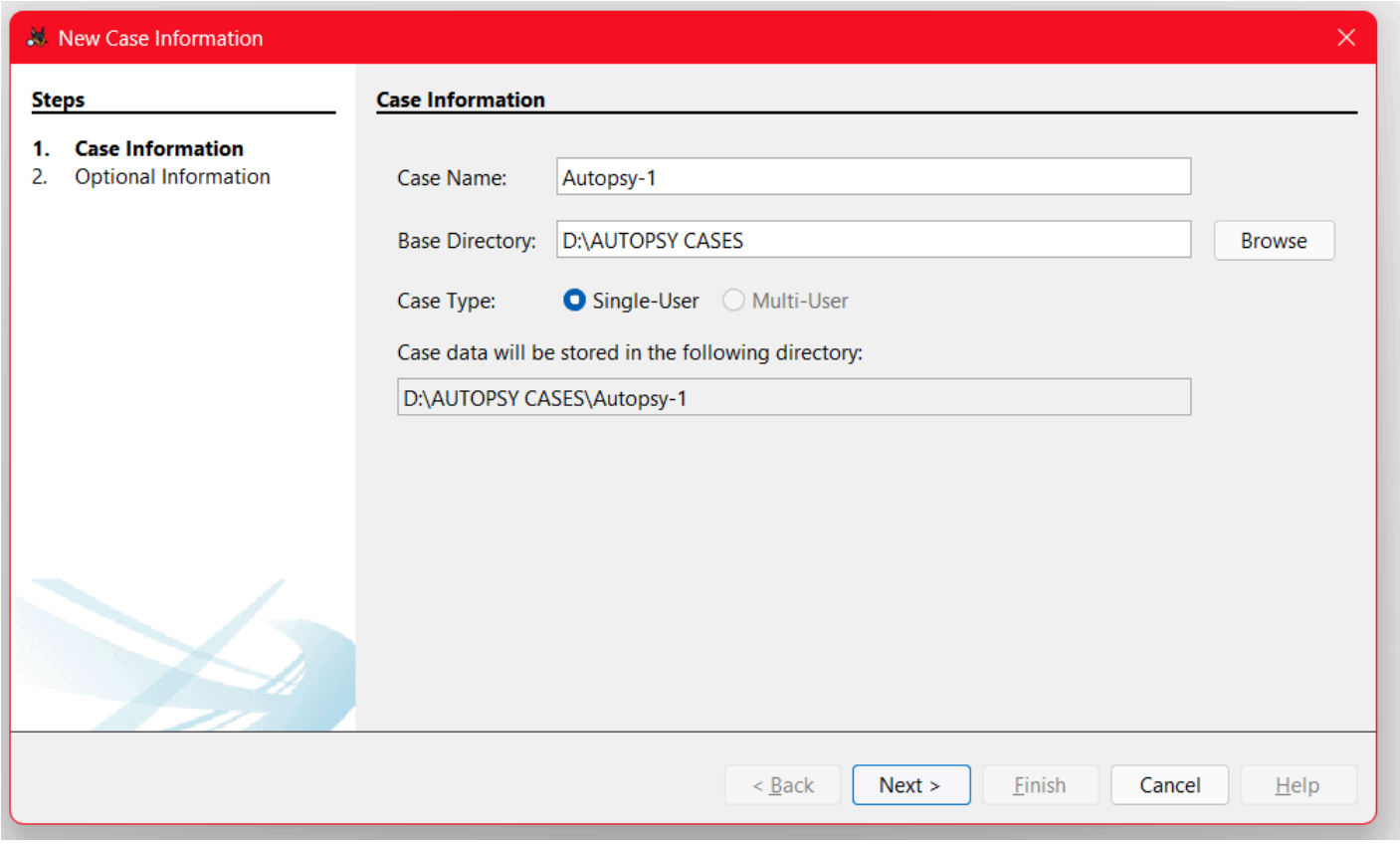
- Select any one or two images → Press **Delete**.
- Empty the **Recycle Bin** to permanently delete them.

3. Recover Deleted Files Using Autopsy

Open Autopsy & Create a New Case

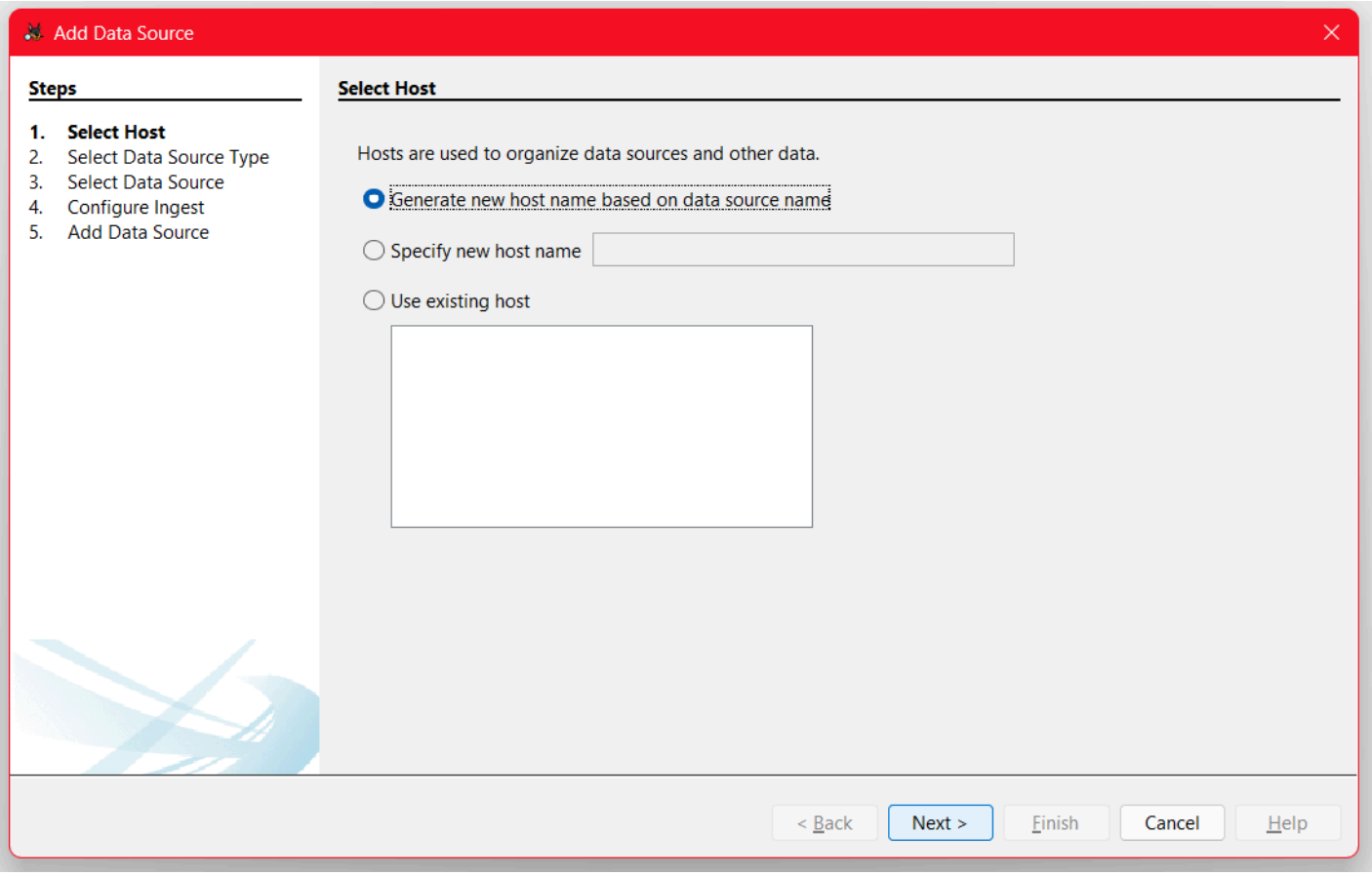
- Launch **Autopsy** and **Run as a administrator**
- Click **Create New Case**.

- Enter a **Case Name** (e.g., `Autopsy-1`).
- Choose a **Case Folder** location.
- Click **Next** → Click **Finish**.

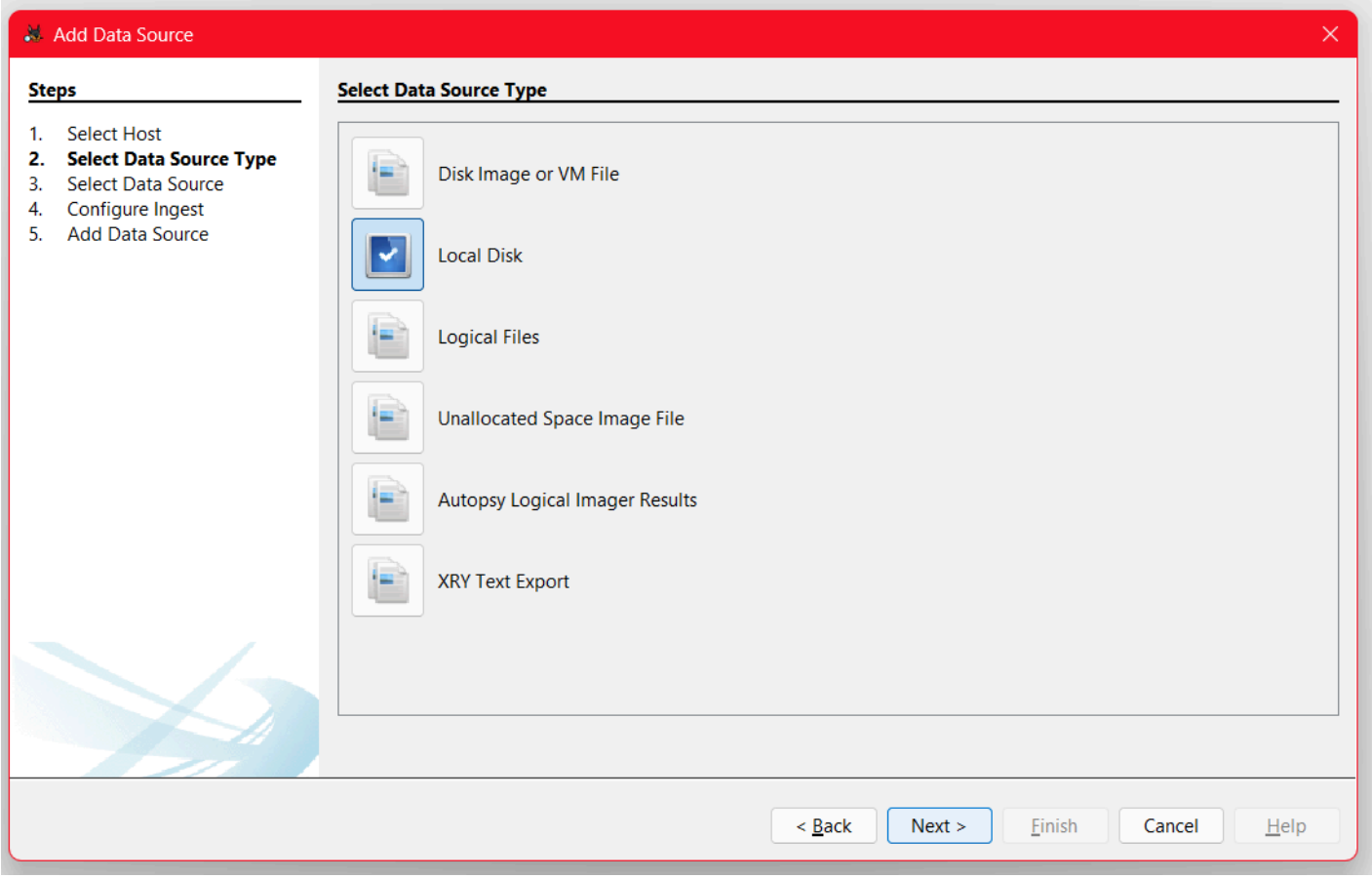


Add the Virtual Disk as an Evidence Source

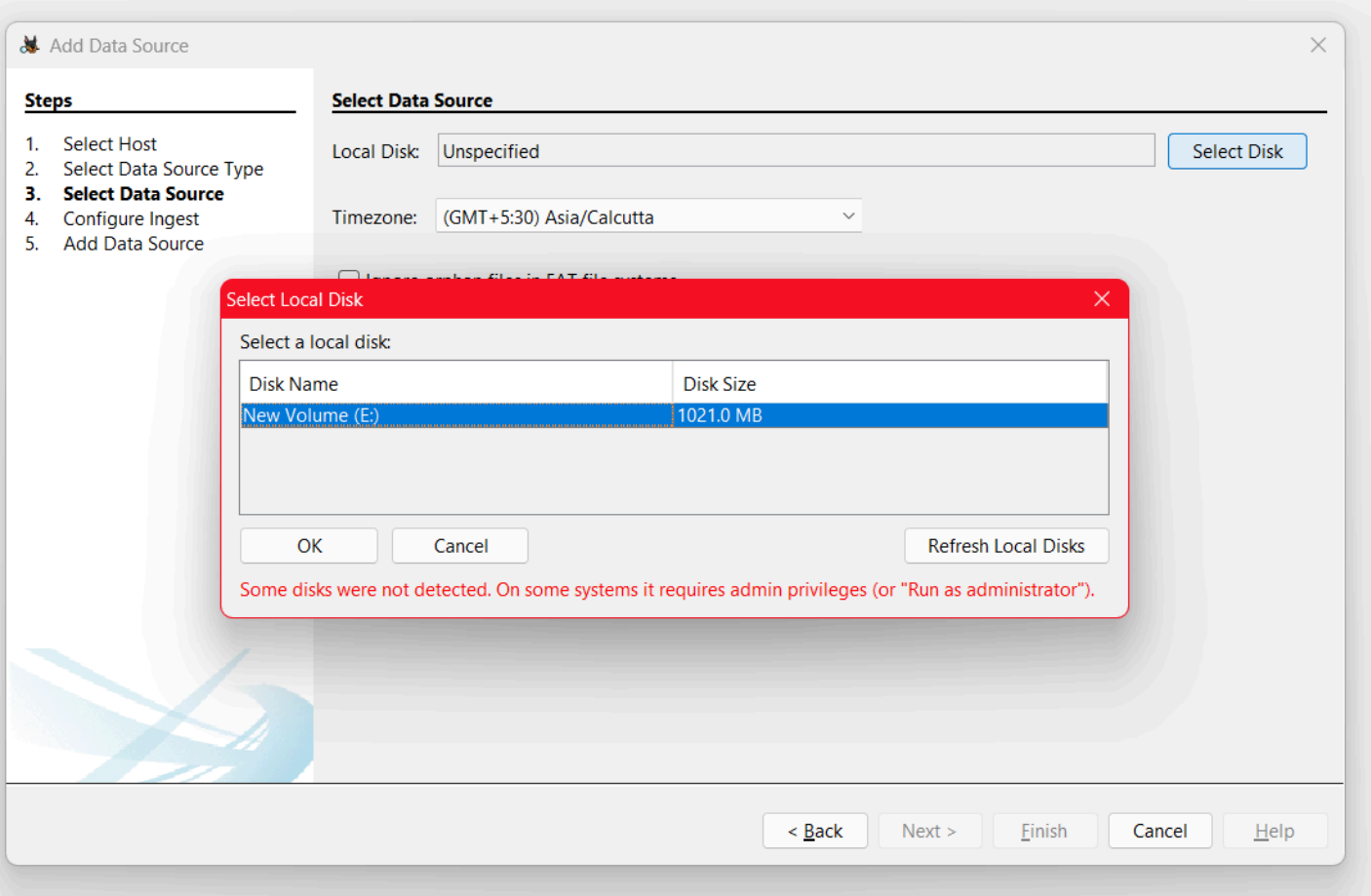
- Click **Add Data Source** → **Select Host**



- Select **Local Disk** → **next**



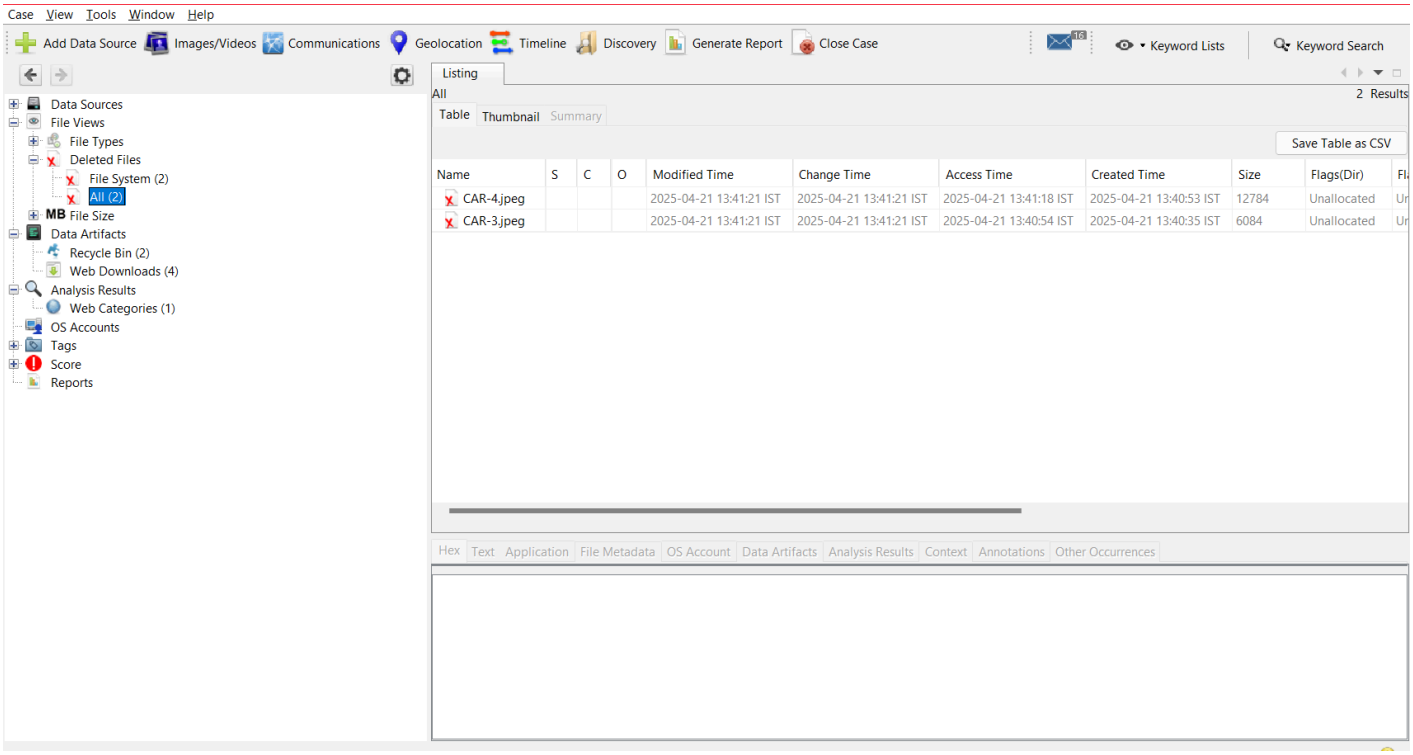
- Select Disk → **Choose the VHD drive (`New Volume(E:)`)**



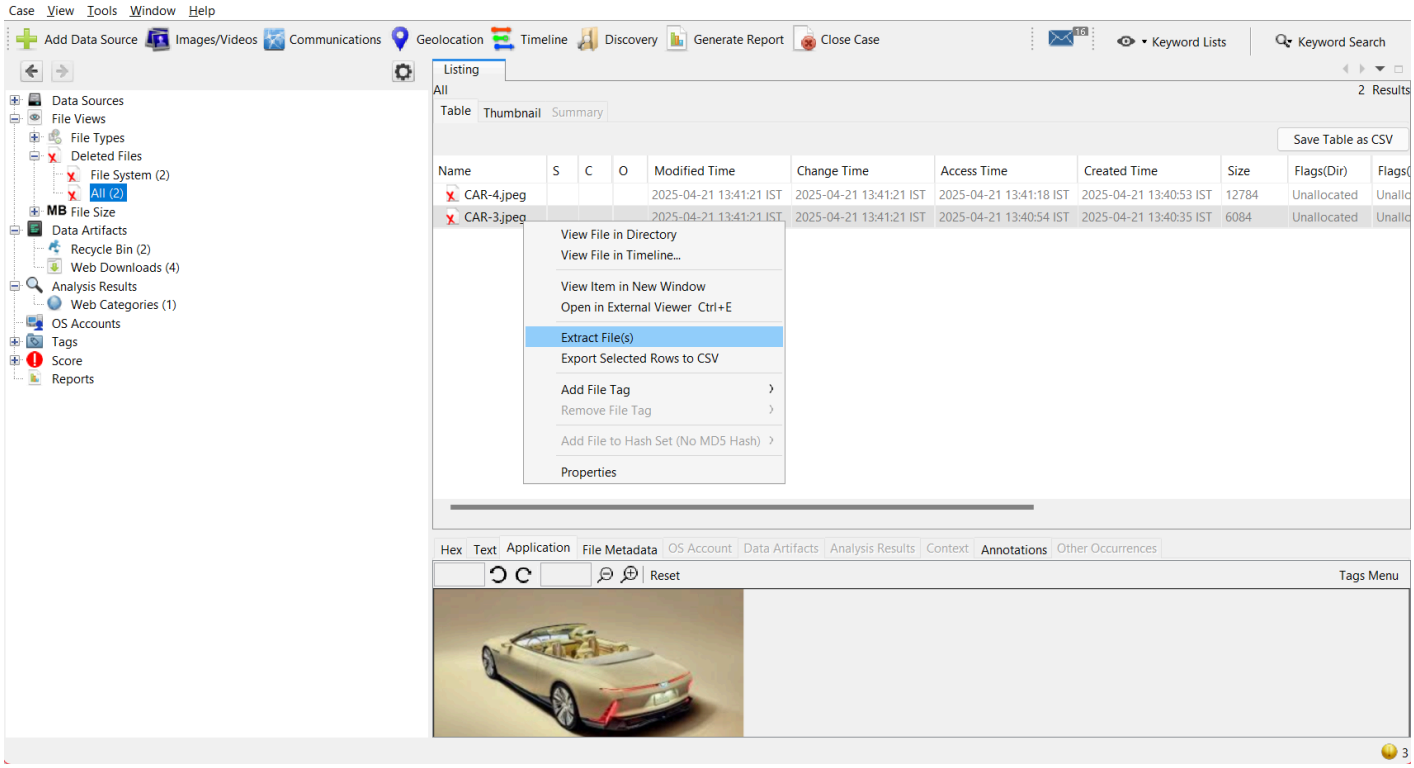
- Click **Next** → Keep default settings → Click **Finish**.
- Wait for Autopsy to process the disk.

Recover Deleted Files

- Go to **File Views** (left panel).



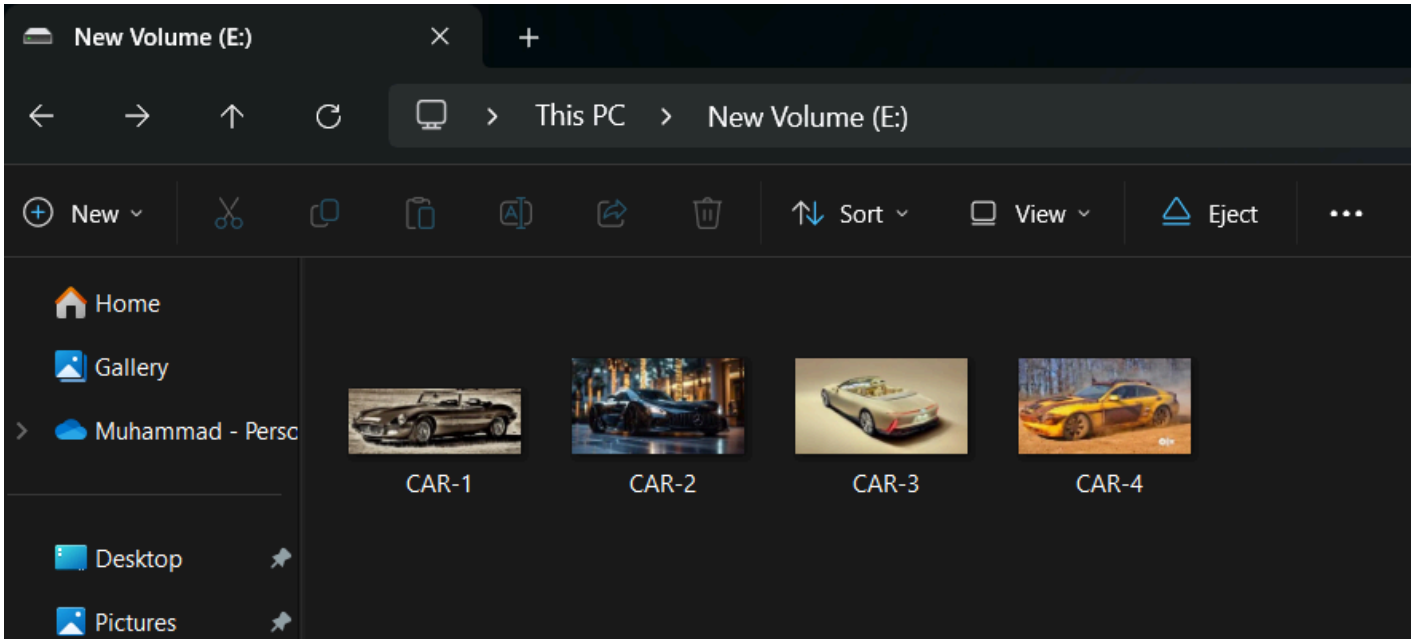
- Click **Deleted Files** → Find your deleted images.
- Right-click an image → Click **Extract File**.



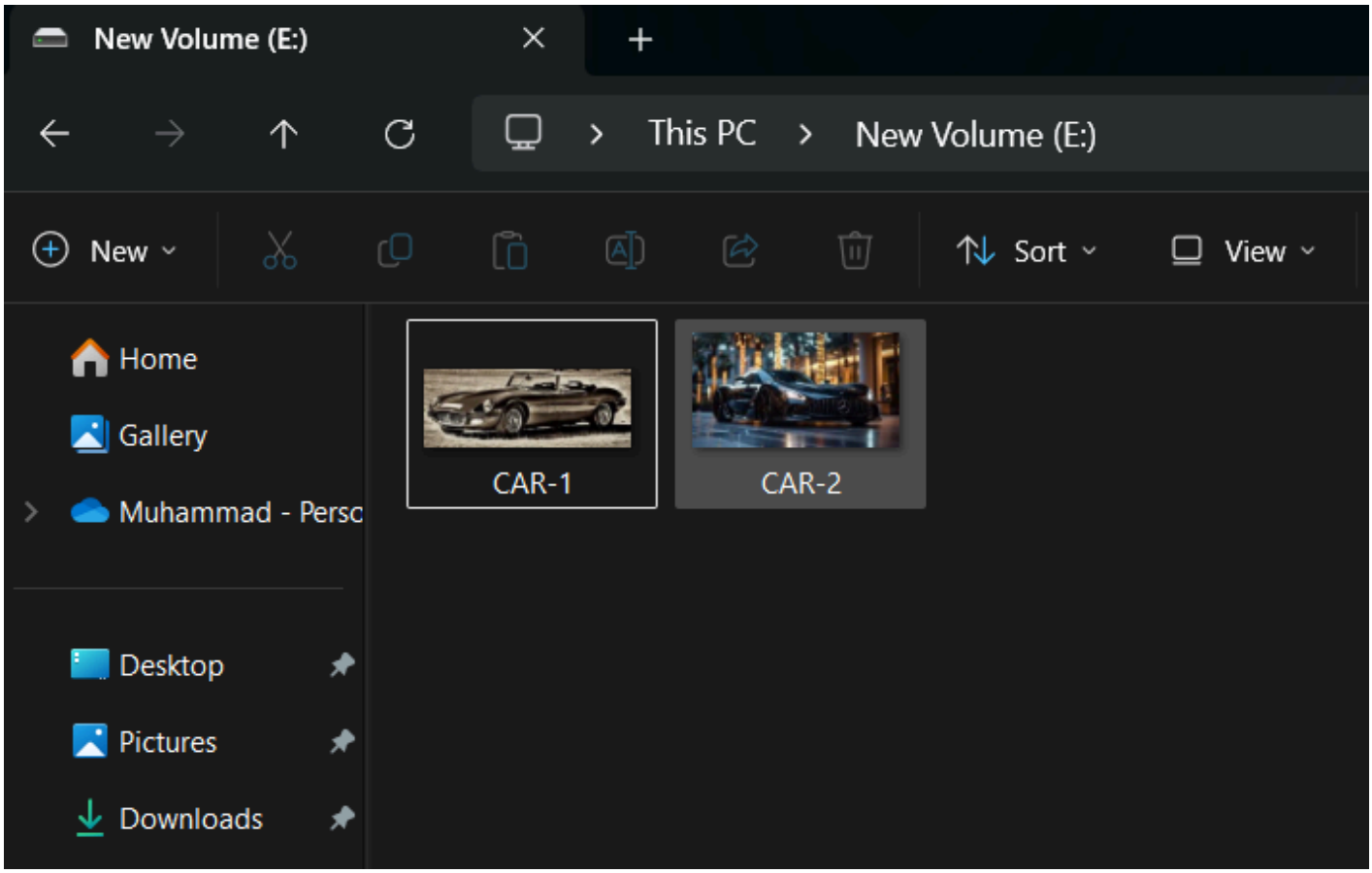
- Select a folder to see the recovered files (e.g., `K:\DFDI-Extracted`).
- Image is recovered successfully.

Output :

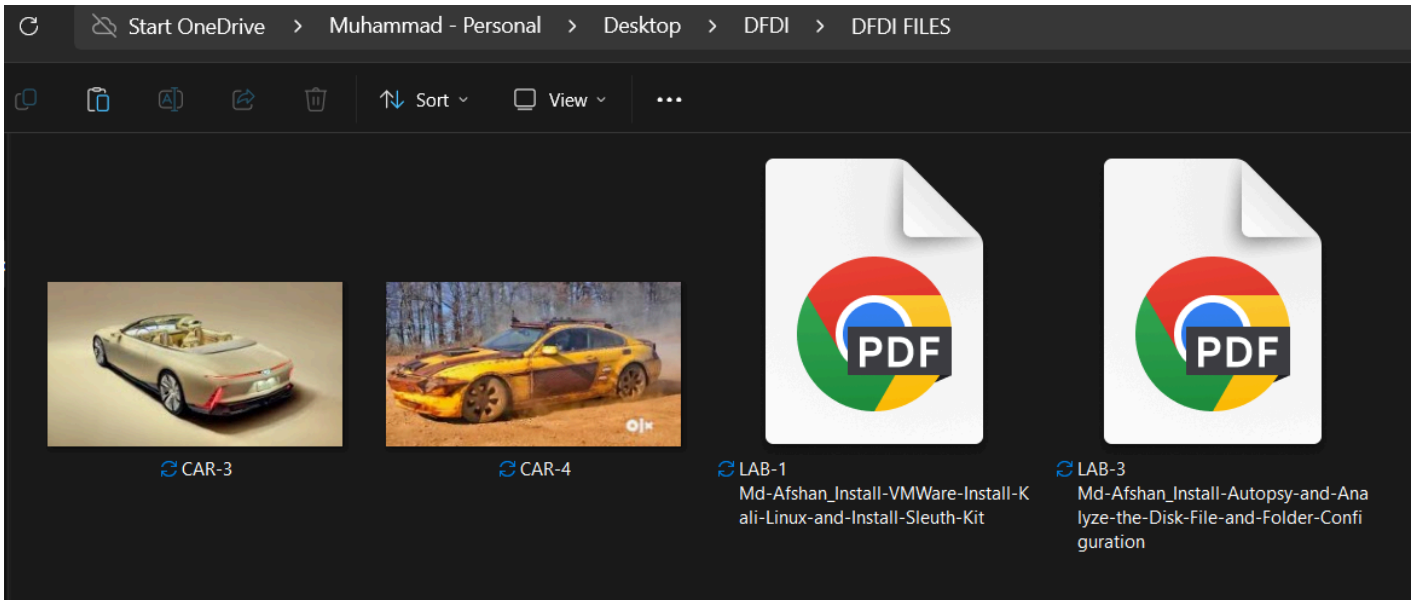
Folder before deleting the files



Folder after deleting the files



Folder after extracting the deleted images using autopsy



Result:

Successfully extracted the deleted files from unallocated space using the Autospy tool.