

Practical - 03

Aim :

Write a Computer Forensics Application Program in Java/Python/C++ for recovering Deleted Files and Deleted Partitions.

Code :

```
import os

a = input("Enter path of your media (e.g. C:\\Chaitrali\\Study\\BE_SEM1\\CSDF):\\n")
print("Please wait for a while")

# Use subprocess module to run 'dir' to list files and directories
os.system("dir " + a)

c = input("Enter the filename you want to recover:\\n")

# Use chkdsk for file recovery
b = "chkdsk " + a + " /f /r"
os.system(b)

# After running chkdsk, you can check the recovered files in a directory called "found.000" or similar
recovered_directory = os.path.join(a, "found.000")
recovered_file_path = os.path.join(recovered_directory, c)
print(f"Recovered file path: {recovered_file_path}")

# Perform further analysis or operations on the recovered file
# You might use tools like 'foremost', 'testdisk', or 'scalpel' for more advanced recovery and analysis.

print("File recovered Successfully")
```

Output :

```

C:\> Command Prompt
File recovered Successfully

C:\Users\pc\Desktop\CSDF>python Prac3.py
Enter path of your media C:\Users\pc\Desktop\CSDF
Please wait for a while
Volume in drive C has no label.
Volume Serial Number is 4809-913D

Directory of C:\Users\pc\Desktop\CSDF

11/01/2023  12:26 PM    <DIR>          .
11/01/2023  12:26 PM    <DIR>          ..
11/01/2023  12:18 PM             8,560 captcha_image.png
11/01/2023  12:26 PM              7 media.txt
11/01/2023  12:26 PM    <DIR>          New folder
11/01/2023  12:00 PM           1,087 Prac1.py
11/01/2023  12:11 PM             833 Prac2.py
11/01/2023  12:25 PM             800 Prac3.py
               5 File(s)           11,287 bytes
               3 Dir(s)  45,083,283,456 bytes free
Enter the filename you want to recover:
media
Access Denied as you do not have sufficient privileges or
the disk may be locked by another process.
You have to invoke this utility running in elevated mode
and make sure the disk is unlocked.
Recovered file path: C:\Users\pc\Desktop\CSDF\found.000\media
File recovered Successfully

C:\Users\pc\Desktop\CSDF>
```