# **DIGITAL FORENSICS LAB**

Exercise 8	
Name	S Shyam Sundaram
Registration Number	19BCE1560
Slot	L39+L40
Faculty	Dr. Seshu Babu Pulagara
Date	5 <sup>th</sup> September, 2021

## **AIM**

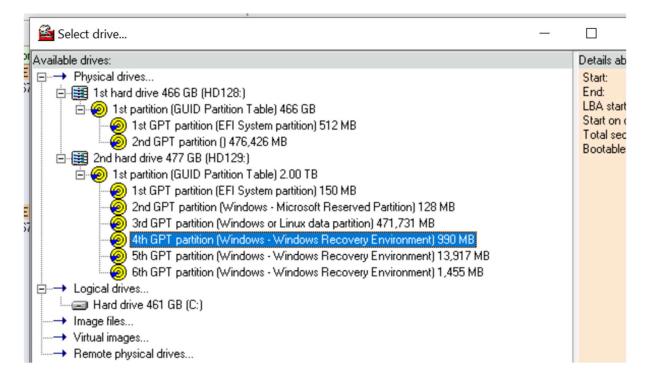
Working with DiskExplorer exploring disks and their file entries, partition table etc.

# Q1

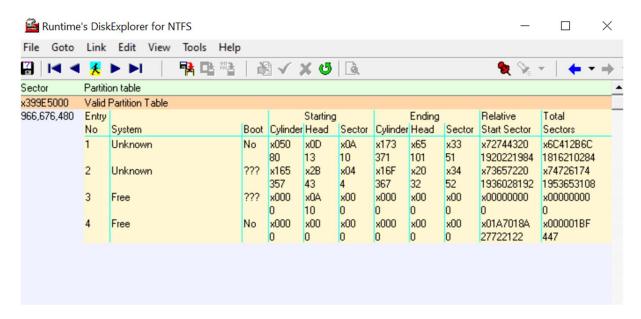
Navigate your NTFS drive by jumping to the partition table, boot record, Master file table or the root directory.

### Α

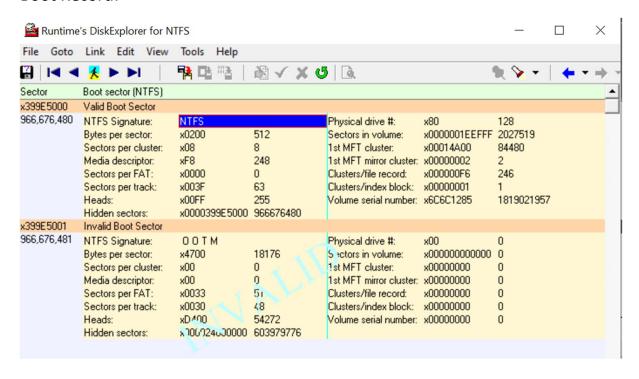
We select a drive first.



### Partition table:



## **Boot Record:**

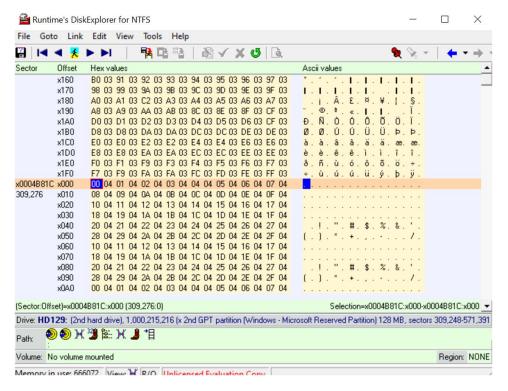


## Q2

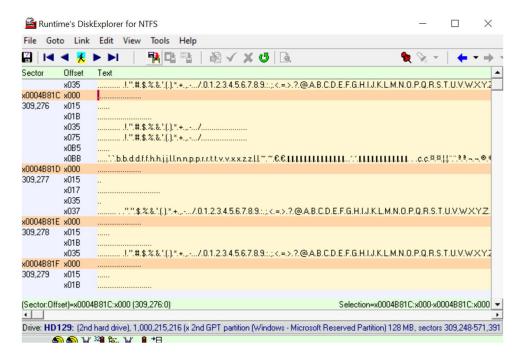
Choose between views such as hex, text, index allocation, MFT, boot record, partition table.

## <u>A</u>

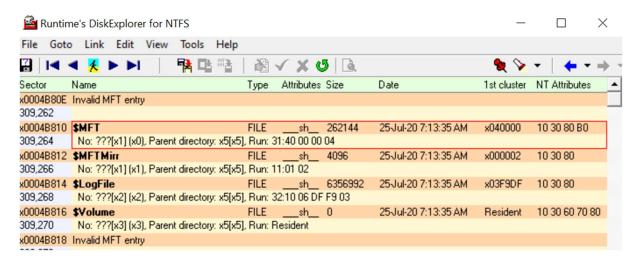
#### Hex View:



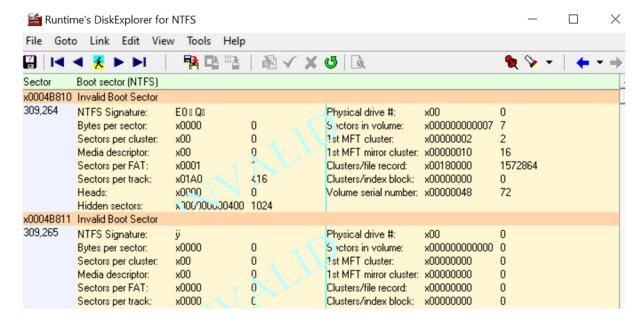
#### **Text View:**



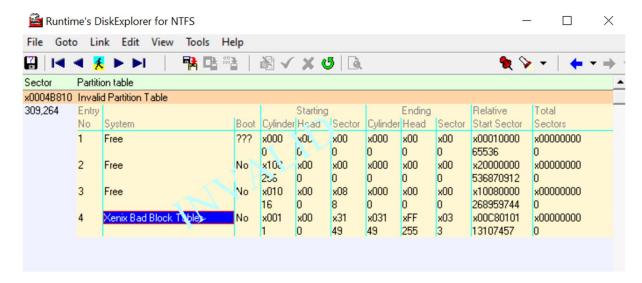
#### MFT:



#### Boot record:



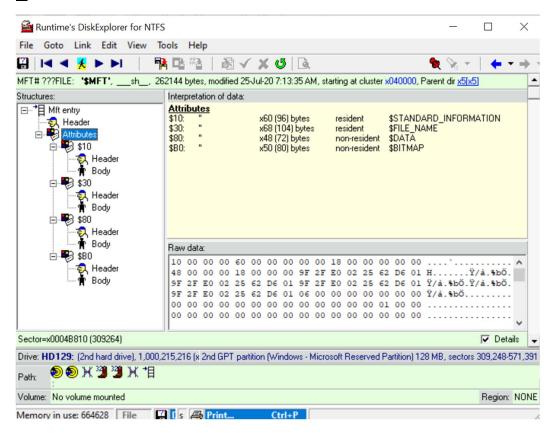
### Partition table:



### Q3

Inspect the file entry details, NT attributes etc.

## Α



# **OBSERVATIONS**

DiskExplorer is a low-level disk editor which we use to view and manipulate information at a sector level. It is also used for data recovery from drives. As seen in screenshots above, se can see what each sector of a drive holds. This is used in Digital Forensics so as to get an idea of the suspect drive and its contents. We can see the partition table

# **CONCLUSION**

We have worked with DiskExplorer and discovered its capability and functionalities. The tool is powerful enough to interact with the disk on a sector level and recover data.