Extract deleted data from hard disk drive

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# Introduction

In the 21st century, people heavily rely on computers and electronic devices for storing data. However, what if someone deletes a file by mistake or the solid-state drive becomes corrupted? In this report, I will demonstrate a software tool called TestDisk that can recover deleted files from both corrupted and non-corrupted hard disks

# Objective of the project

The main objective is to recover the lost files from the flash drive that is attached to our machine.

# Description of the project

This project contains screenshots and steps that will guide you through the process of recovering a file from a flash drive that has been deleted by mistake. After reading this project report, you will be able to perform a full practical use of TestDisk.

# Scope of the project

The scope of this project is to provide a comprehensive guide for recovering a deleted file from a flash drive using TestDisk. It includes step-by-step instructions and screenshots to help the user understand the process of using TestDisk to recover the deleted file. The project aims to provide a practical and user-friendly approach to data recovery, even for those who may not have prior experience with data recovery software. By the end of the project, the user should be able to successfully recover a deleted file from a flash drive using TestDisk.

# System Description

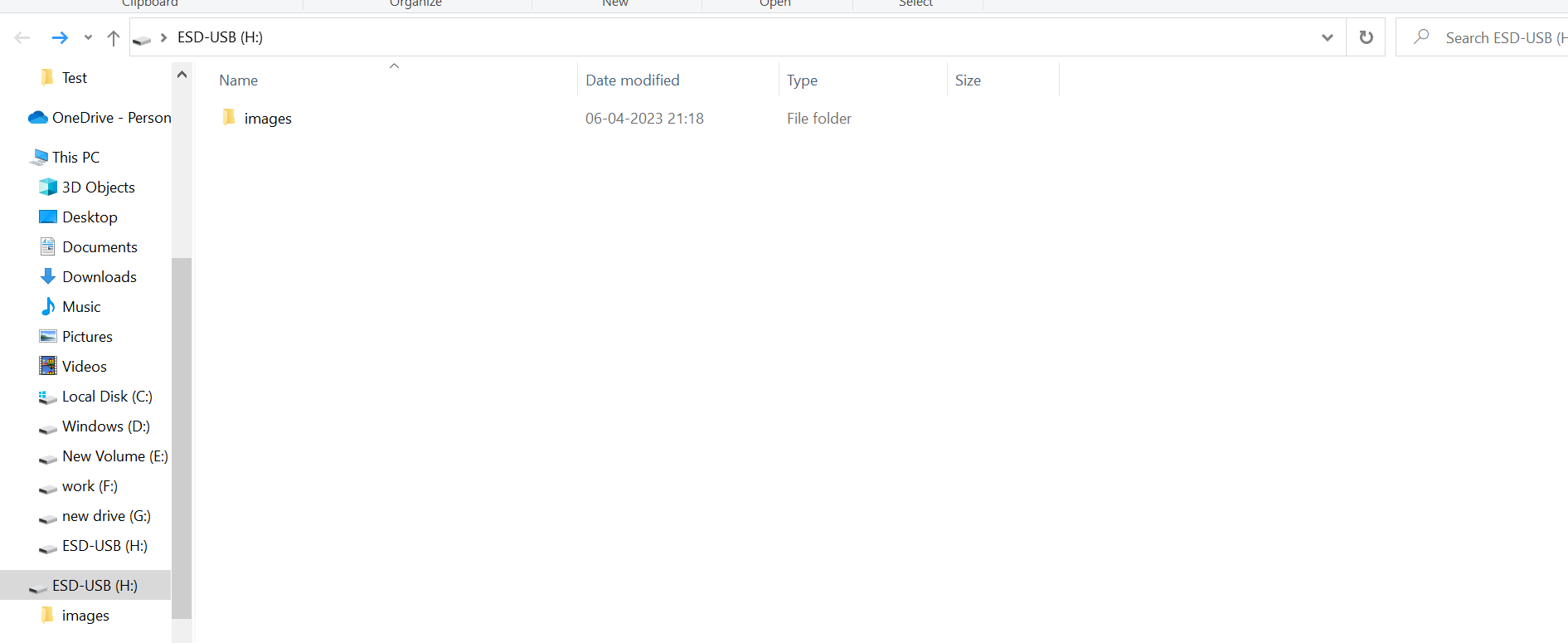
* TestDisk is an open-source and freely available data recovery software, which aims to retrieve lost or damaged partitions and restore non-bootable disks to their bootable state. This software can be used on various operating systems, including Windows, macOS, and Linux.

# Target system description

This is not an attack, so we don't have a specific target. However, we are using an 8GB flash drive .

# Analysis Report

* First lets take pendrive and store some data in it



* Now lets see can we see these file

Text

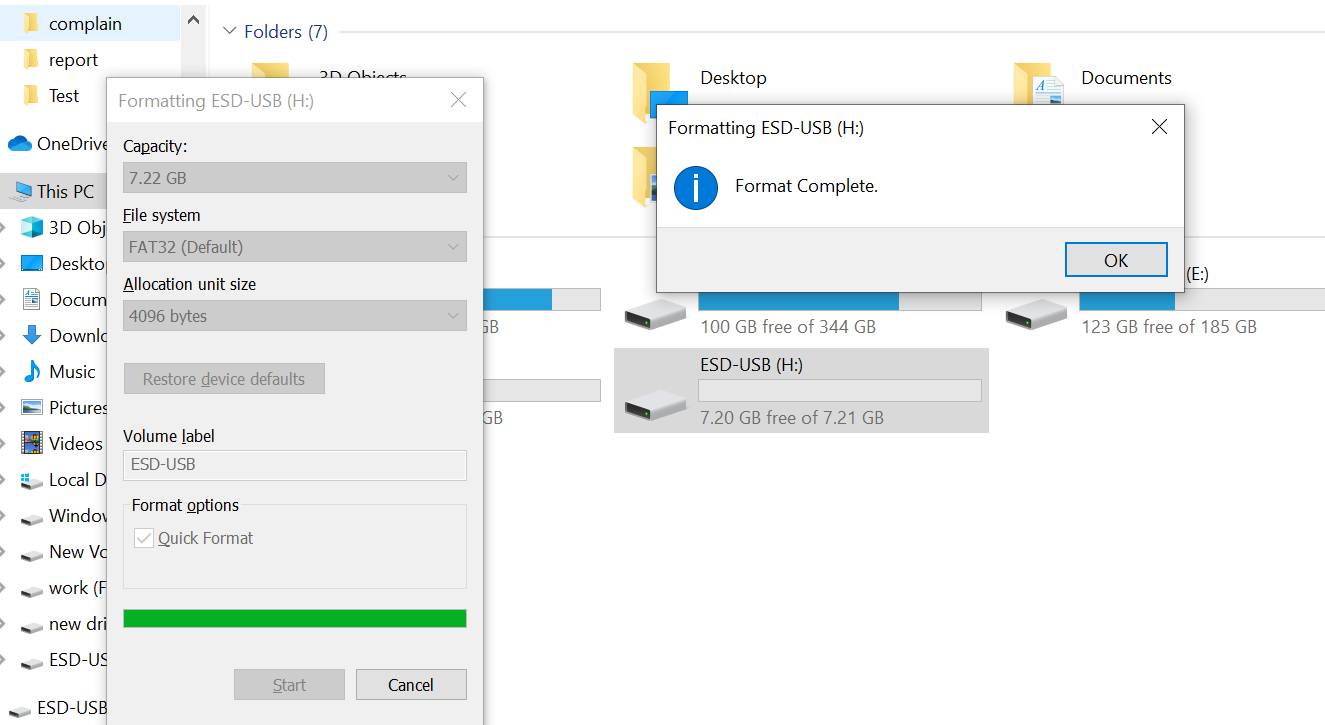
Description automatically generated

* Lets format the disk

Graphical user interface, application

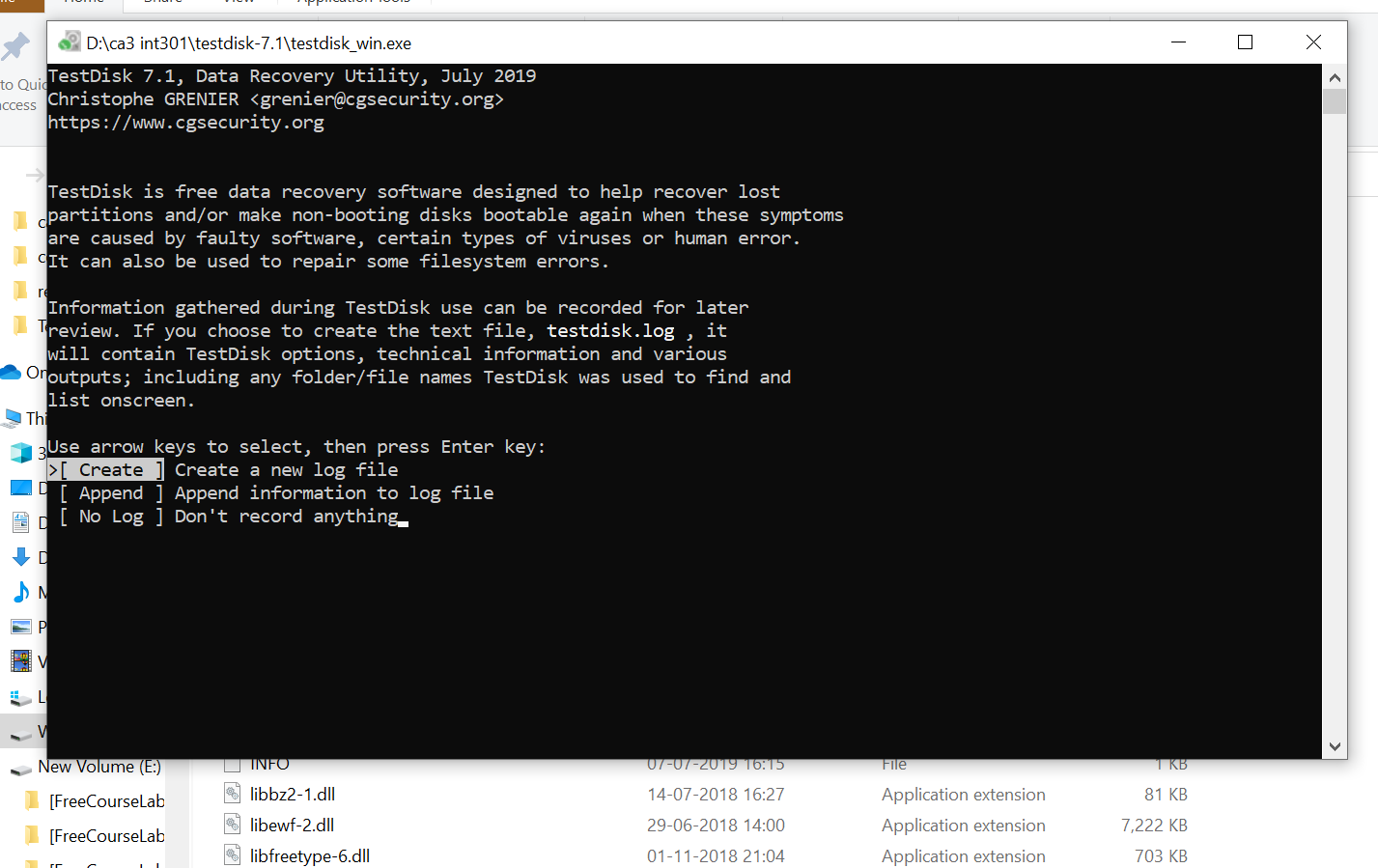
Description automatically generated

* Click on start

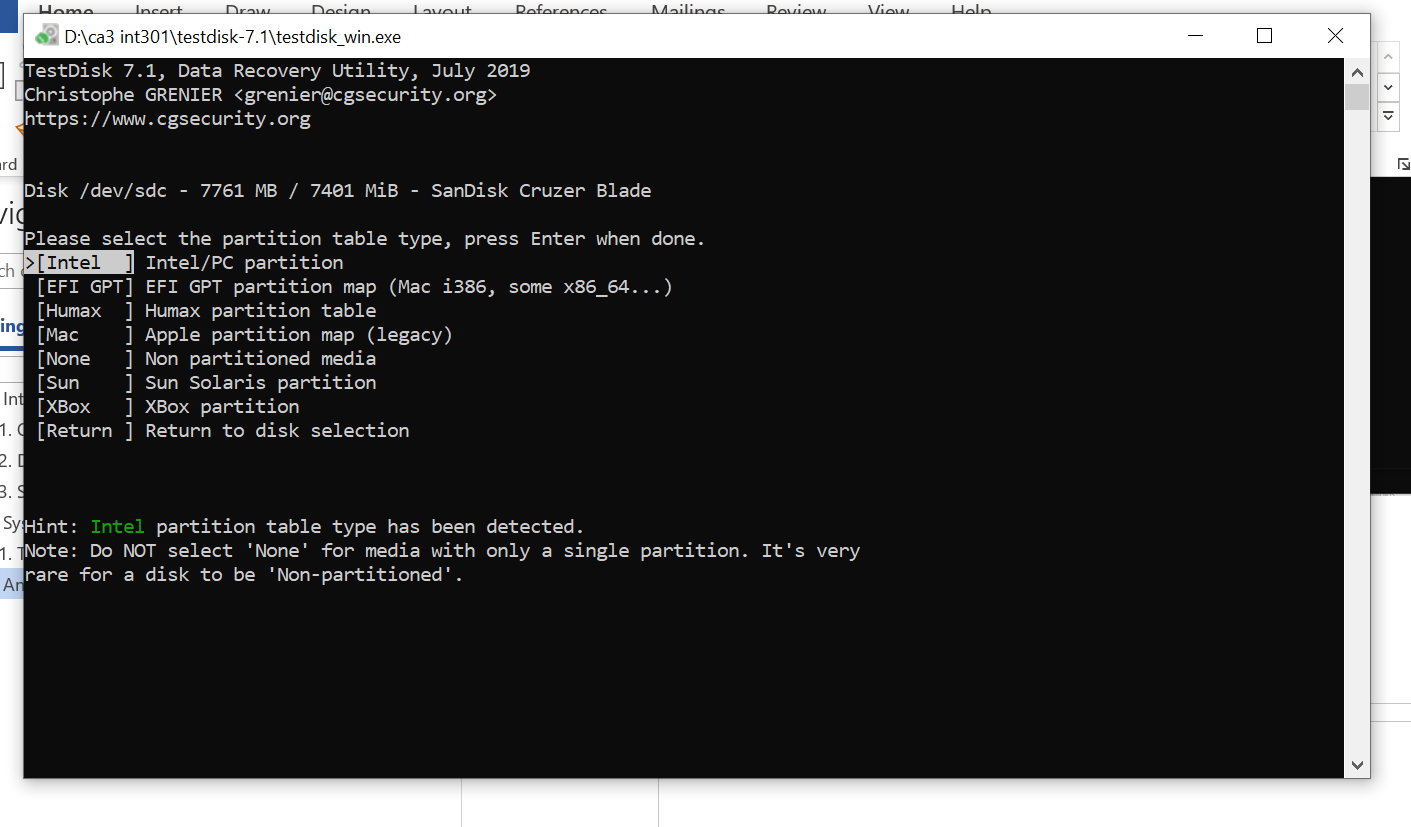
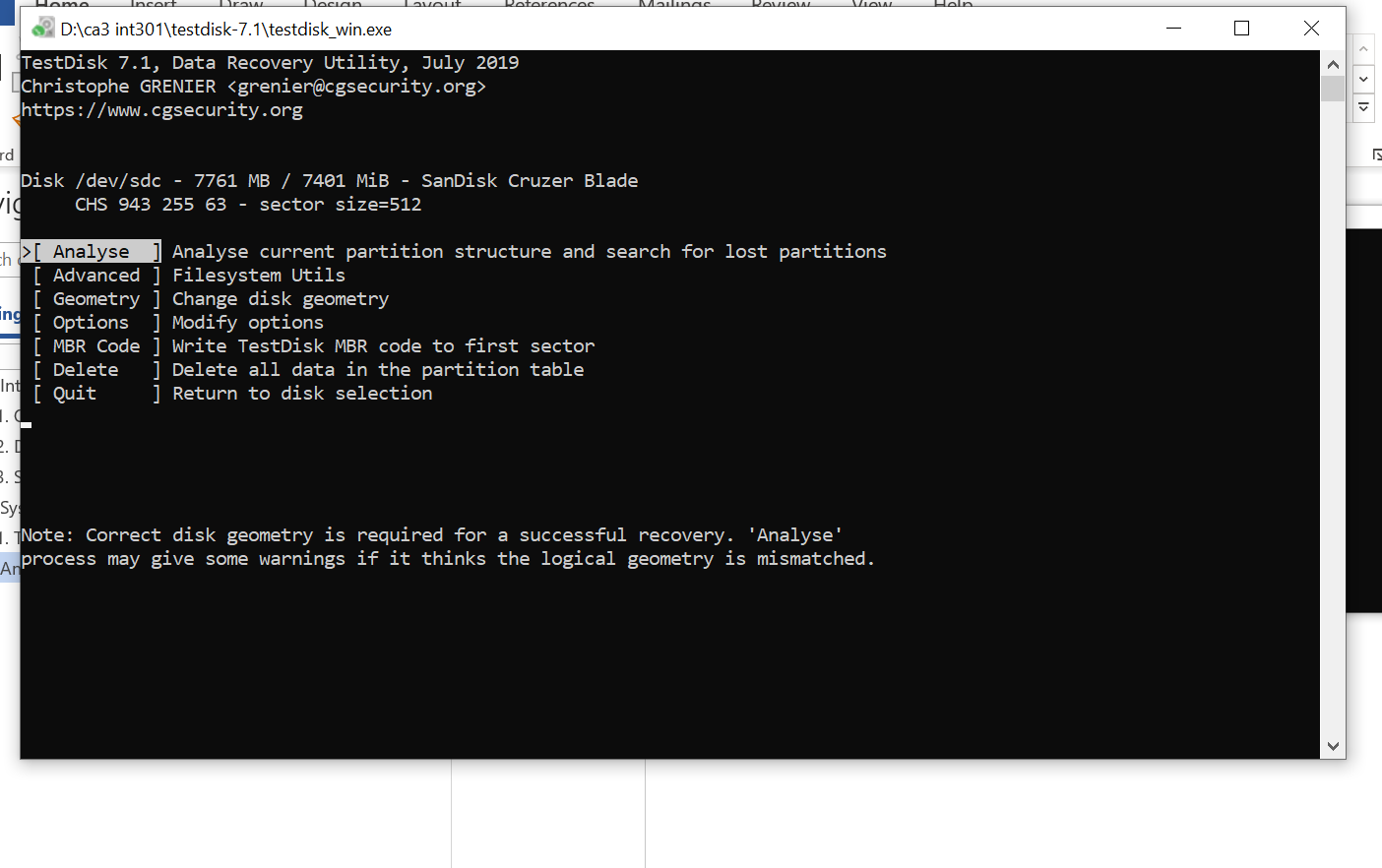


* Click on Ok
* This shows we have deleted all the files so now lets get the file back

Text

Description automatically generated

Cededededeee



Text

Description automatically generated