

# **BABU BANARASI DAS UNIVERSITY**



## **SCHOOL OF ENGINEERING**

Department of Computer Science C Engineering

### **PRIVACY AND SECURITY IN IOT LAB**

**(ITBC3751)**

Session 2025-26

### **PRACTICAL LAB FILE**

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## PRACTICAL 1

### OBJECTIVE

To hide text data inside an image file using command prompt(CMD) as a basic form of steganography.

### System Requirement:

Operating system: Windows (any version with command prompt)

### Tool Required:

- > Command Prompt(built-in)
- > A JPG or PNG image (blade.jpg)
- > A zip file which contain secret message

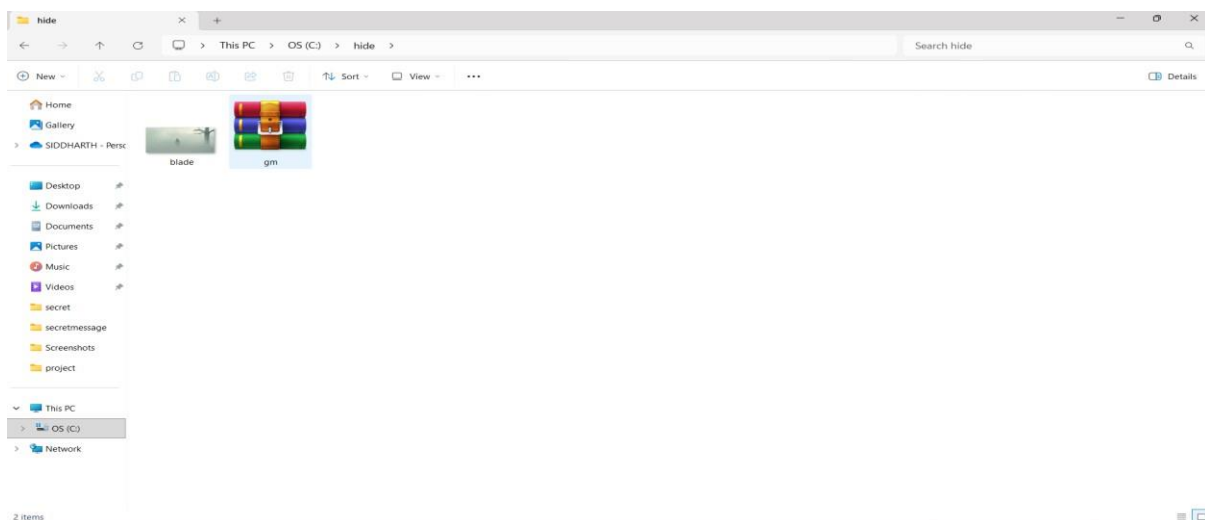
### STORAGE LOCATION:

- > A working directory(C:\hide)

### Procedure:

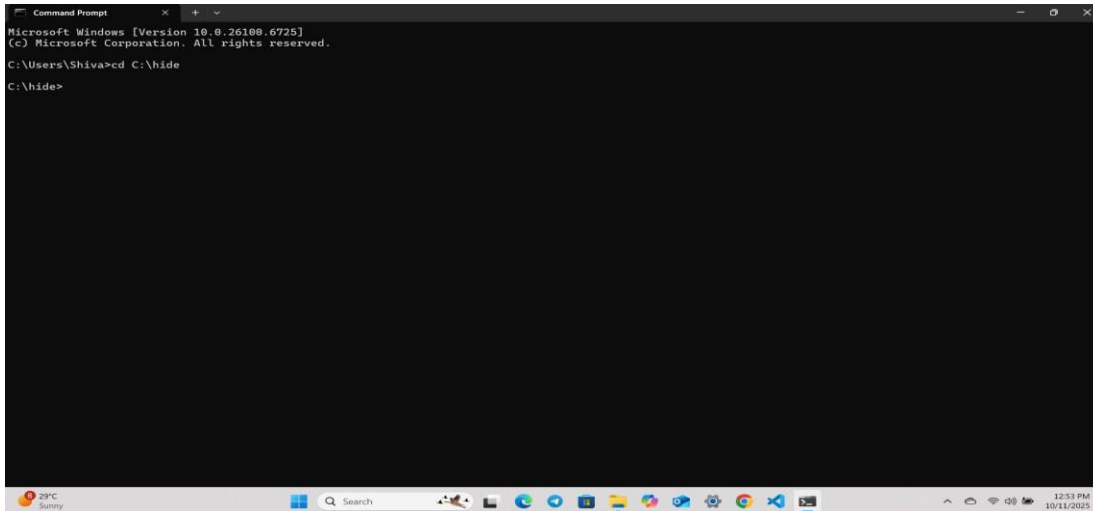
#### Step 1: Create and prepare the working folder

1. create a folder name hide in C drive
2. Place the image and zip file which contain text you want hide into this folder.



#### Step 2: Open command Prompt and navigate to the folder

1. Press Win +R ,type cmd and press Enter to open Command Prompt
2. Navigate to your working directory:
3. cd C:\hide



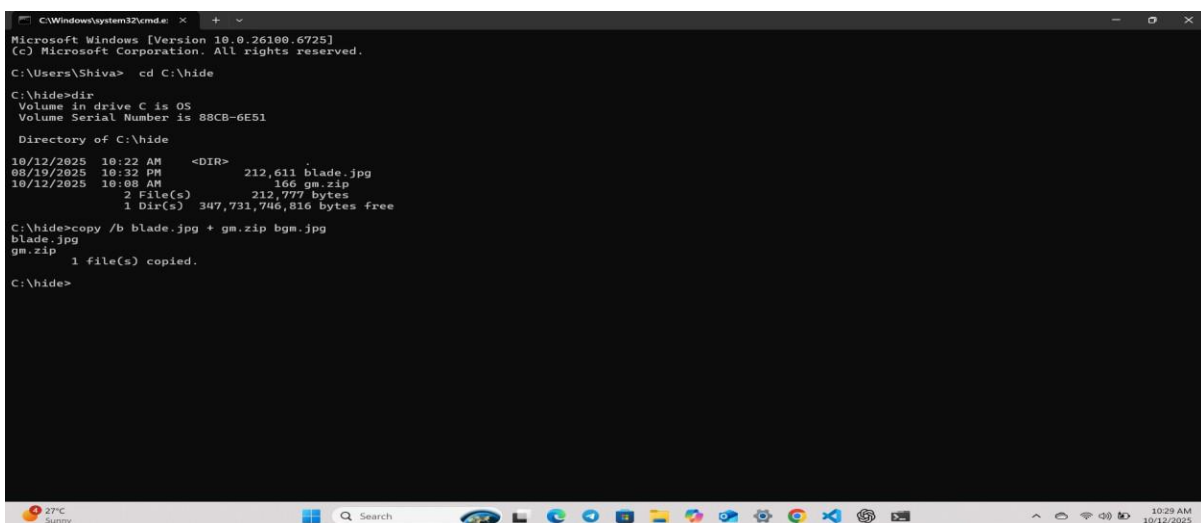
Step 3.Hide a secret message using copy command

Run the following command to append to the image file :

Copy /b blade.jpg + gm.zip bgm.jpg

What this does:

- /b → binary mode (needed for non-text files)
- blade.jpg → your image (carrier)
- gm.zip → the file you want to hide
- bgm.jpg → output image that looks normal but contains the ZIP



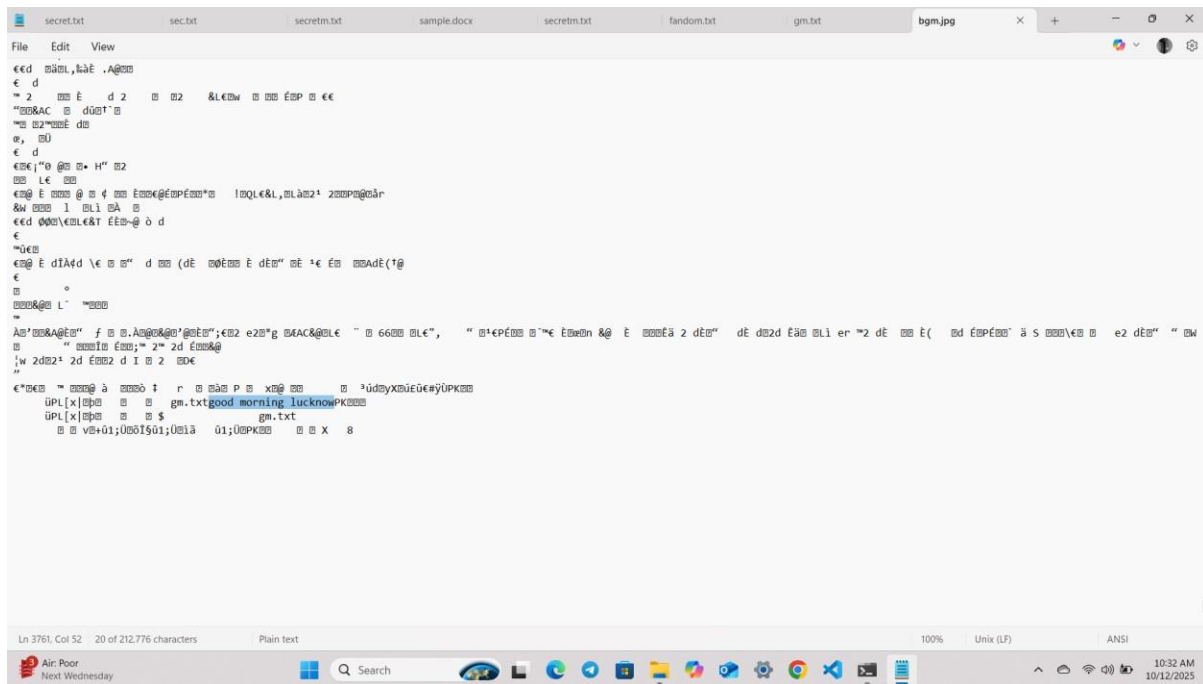
## Step 4. Verify the hidden message

To check whether the message was added

Open with notepad

Right click on the new image ,then click on opwn with notepad

Scroll down to the bottom to see the hidden message.



```
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ÜPL|x|Üm m m $ gm.txt
m m vB+Ü1;ÜBÜIÜ1;ÜBÜä Ü1;ÜBPKm m m X 8

Ln 3761, Col 52 20 of 212,776 characters Plain text 100% Unix (LF) ANSI
Air Poor Next Wednesday 10:32 AM 10/12/2025
```