

Babu Banarasi Das University

BBD City, Ayodhya Road, Lucknow Uttar Pradesh - 226 028 India



School of Computer Applications

Program:-BCA(CS&F)

Assignment Topic: Steganography Using
OpenStego Tool.

Submitted To

Mr. ANAND KUMAR GUPTA

Submitted by

Abhimanyu Dubey

U.Rollno. 1240264005

We will learn steganography using a free tool called "OpenStego"

Steganography:

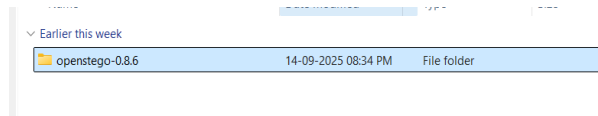
Steganography is the art and science of concealing a secret message within another message or object, known as a "carrier," so that the presence of the hidden information is imperceptible to an observer. Unlike cryptography, which scrambles the message content, steganography aims to hide the existence of the message itself. This is often achieved by subtly altering the carrier, such as in digital images by changing a few pixels, or historically through methods like invisible inks or messages on shaved heads.

"Steganography is basically hiding an image or message or .txt file in an image."

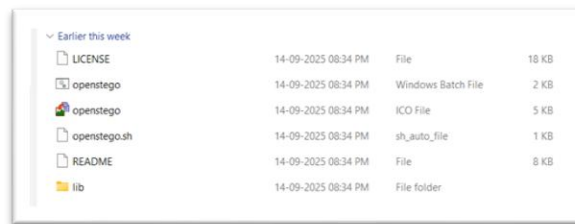
- This link to Download Tool:
<http://openstego.findmysoft.com>
- After downloading it make sure you have installed Java on your system.
- If Not Than Use This Link to download Java.
- Link to download java
https://www.java.com/download/ie_manual.jsp

Steps To Run The Tool(OpenStego):

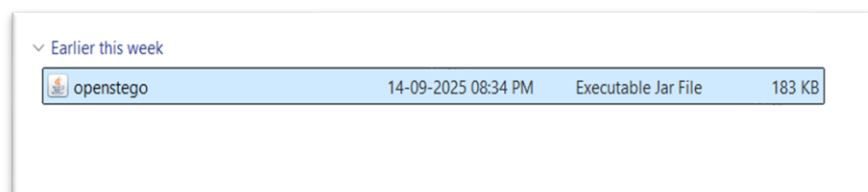
1. Go to Downloads on your system.
2. Find OpenStego file.



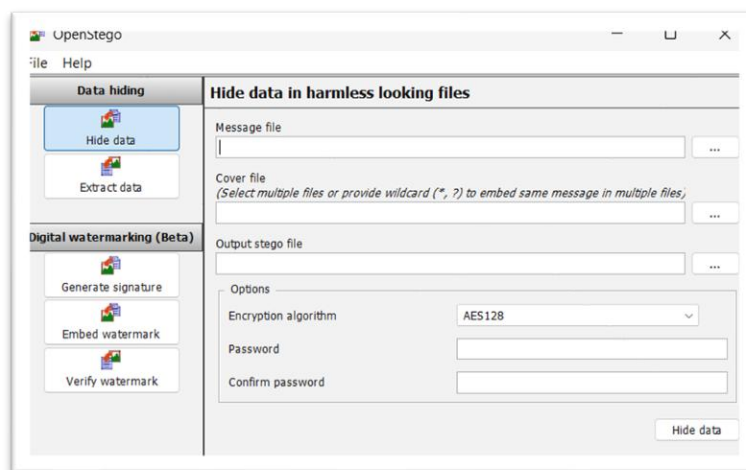
4. Find And Click On lib File named



5. Click On lib File and Run .Jar File Name with Openstego.

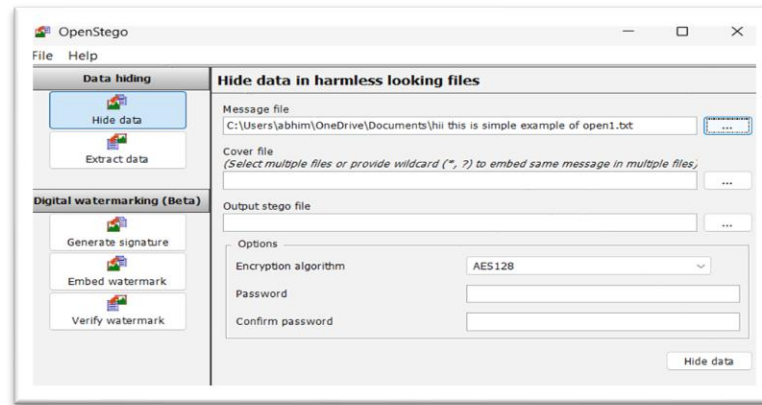


After the file Run This Type of Interface Will Shown:

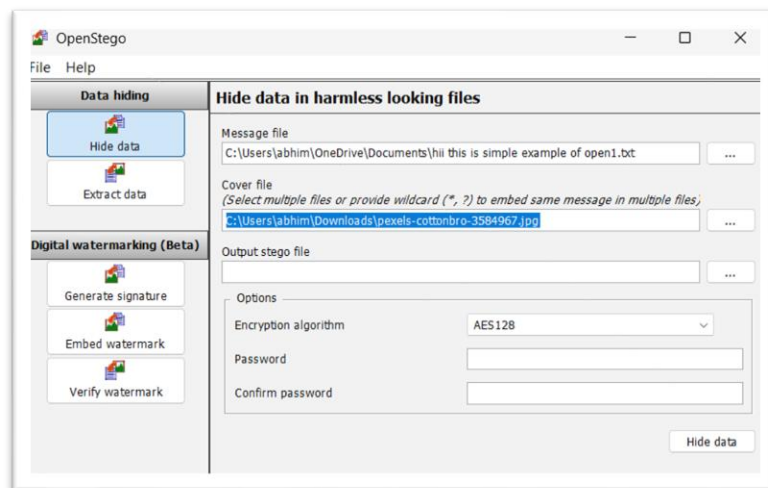


Performing Steganography in OpenStego:

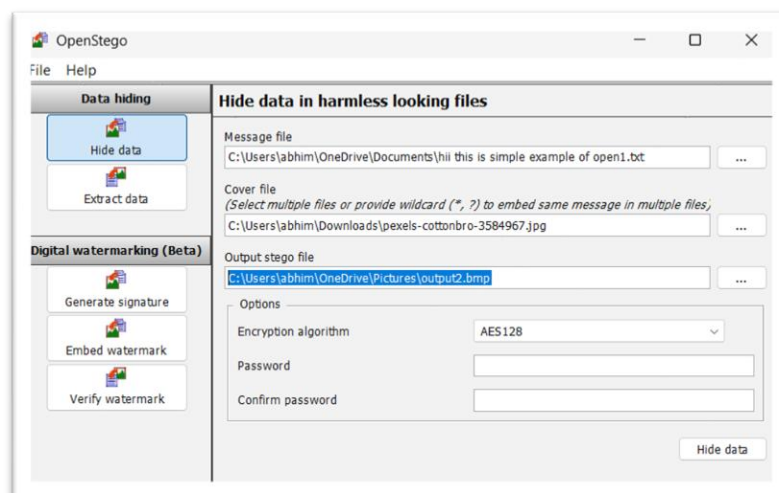
1. Choose a message file which you want to hide for example (*a .txt file containing your message or and image*)



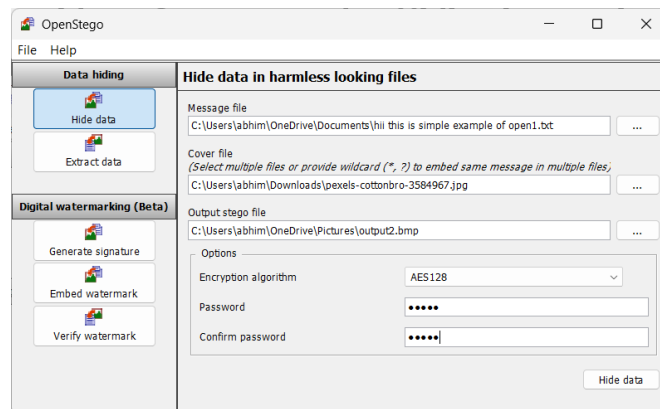
2. After choosing a message file choose a cover file to cover it in another image for example (*An image*).



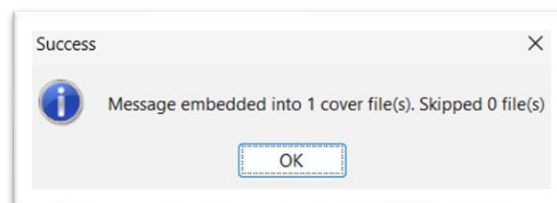
3. After doing these two steps choose a stego file It can be any document.



4. Now choose any password for example (*abc123*) or of your choice.



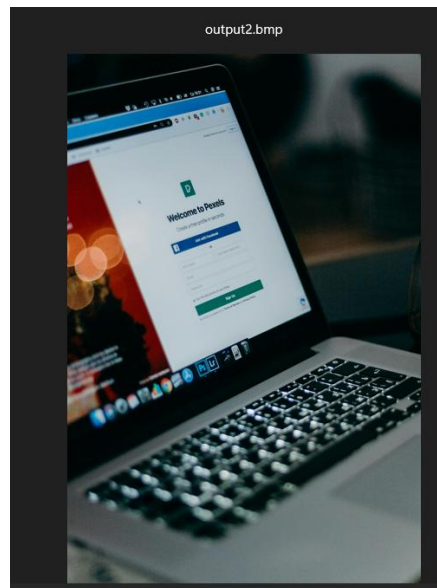
5. Click Hide Data Button.



6. After doing all the steps above now create an image On Selected Location .

| Name | Status | Date modified |
|----------------------|--------|---------------------|
| AnyDesk | ✓ | 14-02-2025 01:00 PM |
| Camera Roll | ✓ | 12-09-2025 07:35 PM |
| Screenshots | ✓ | 18-09-2025 10:27 PM |
| Camera 4 | ✓ | 09-10-2024 08:23 AM |
| Documents - Shortcut | ✓ | 19-02-2025 08:44 PM |
| output2 | 🔄 | 18-09-2025 10:27 PM |

7. Inside The Image Your Message are also Hidden. No one can read without The Correct Password You have been set.



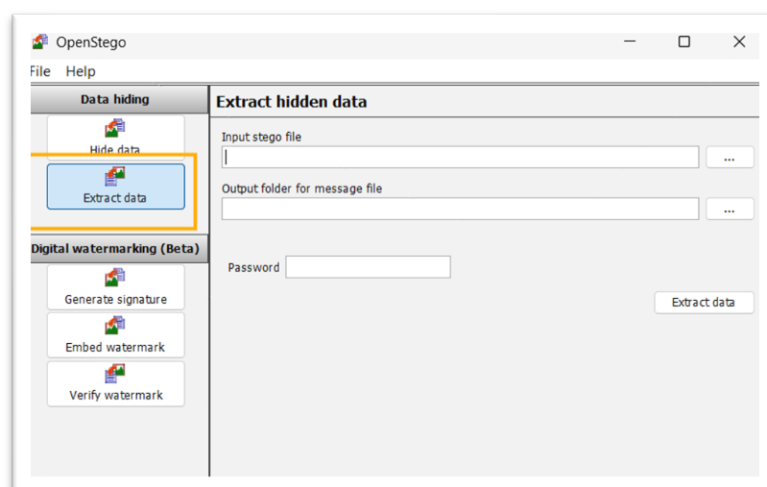
After This Next Steps are How To Recover the Message form This Image.

The Steps Are Same To open The Tool.

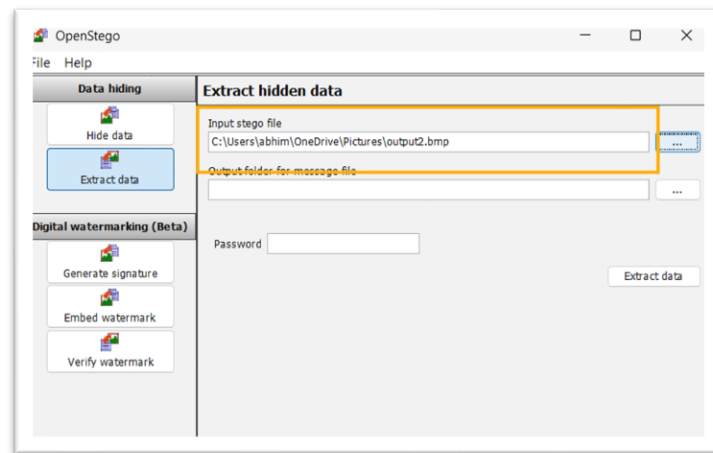
After open The tool Follow These Steps to Extract Data Form Image.

Extracting message from files using OpenStego:

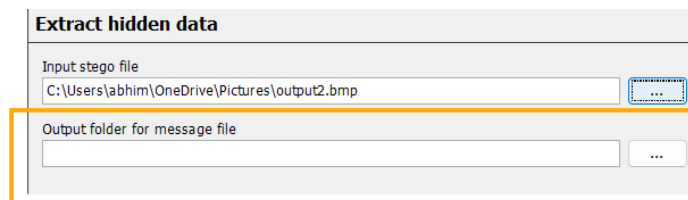
1. In the left hand tab you will see an “Extract File" Button.



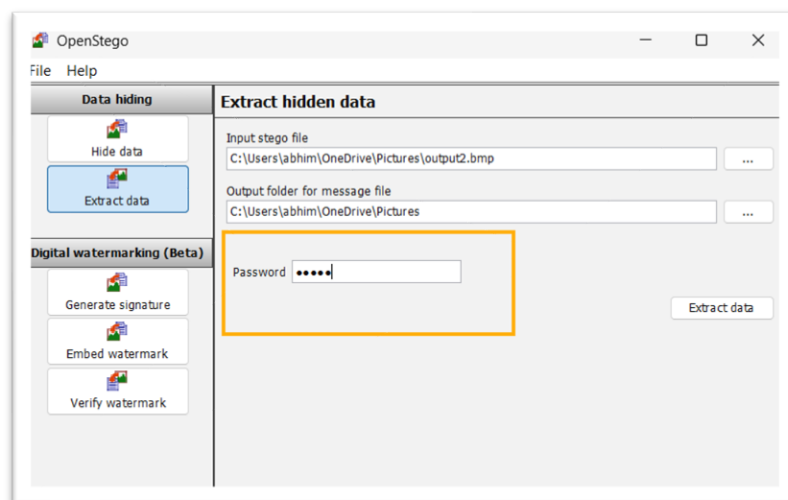
2. Choose the Input stego file.



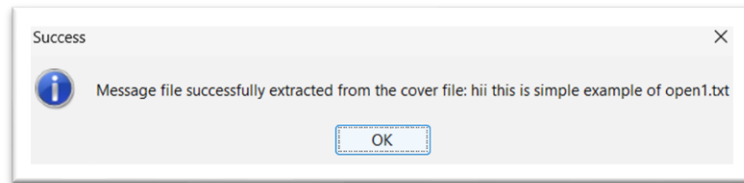
3. Choose The Output Folder For Message.



4. Enter password you had choosen.



5. After extracting Data.



6. You will find the message file in directory you have choosen.

| Name | Status | Date modified | Type | Size |
|-------------------------------------|--------|---------------------|---------------------|-------------|
| AnyDesk | ✓ | 14-02-2025 01:00 PM | File folder | |
| Camera Roll | ✓ | 12-09-2025 07:35 PM | File folder | |
| Screenshots | ↻ | 18-09-2025 11:04 PM | File folder | |
| Camera 4 | ✓ | 09-10-2024 08:23 AM | Compressed (zipp... | 6,42,876 KB |
| Documents - Shortcut | ✓ | 19-02-2025 08:44 PM | Shortcut | 1 KB |
| hii this is simple example of open1 | ✓ | 18-09-2025 11:01 PM | Text Document | 1 KB |
| output2 | ✓ | 18-09-2025 10:27 PM | BMP File | 14,987 KB |