

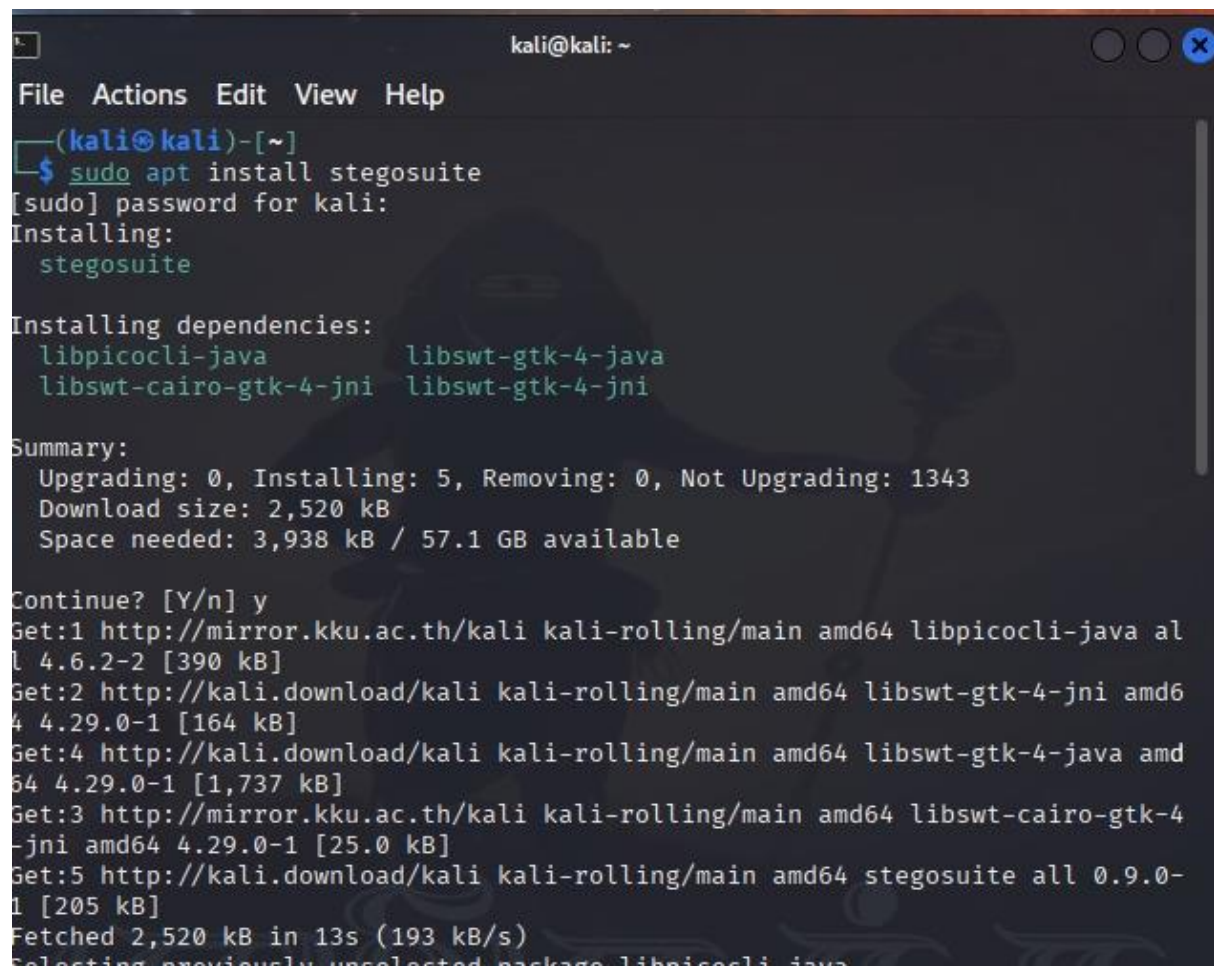
Ex.No.8 Use Steg-Expose to detect hidden data in images

Aim:

To hide a secret text message inside an image file and extract it back using Stegosuite in Kali Linux.

Step 1:

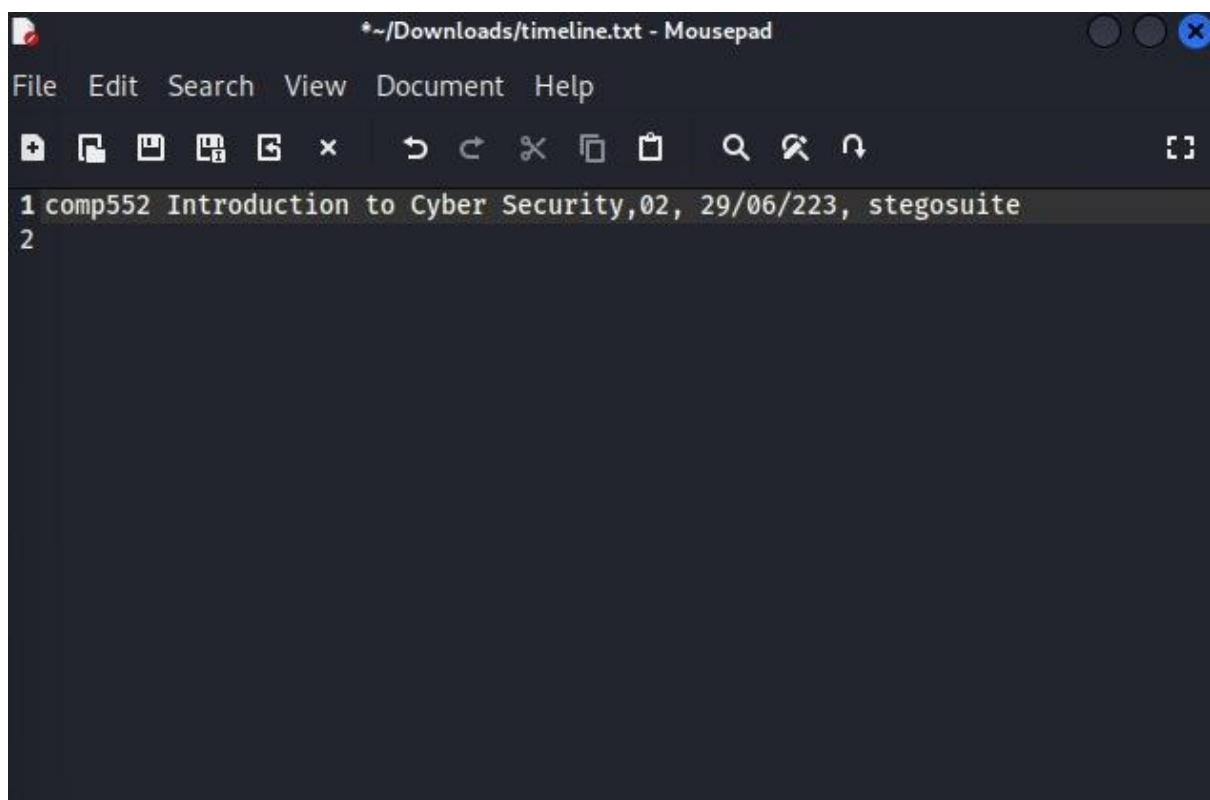
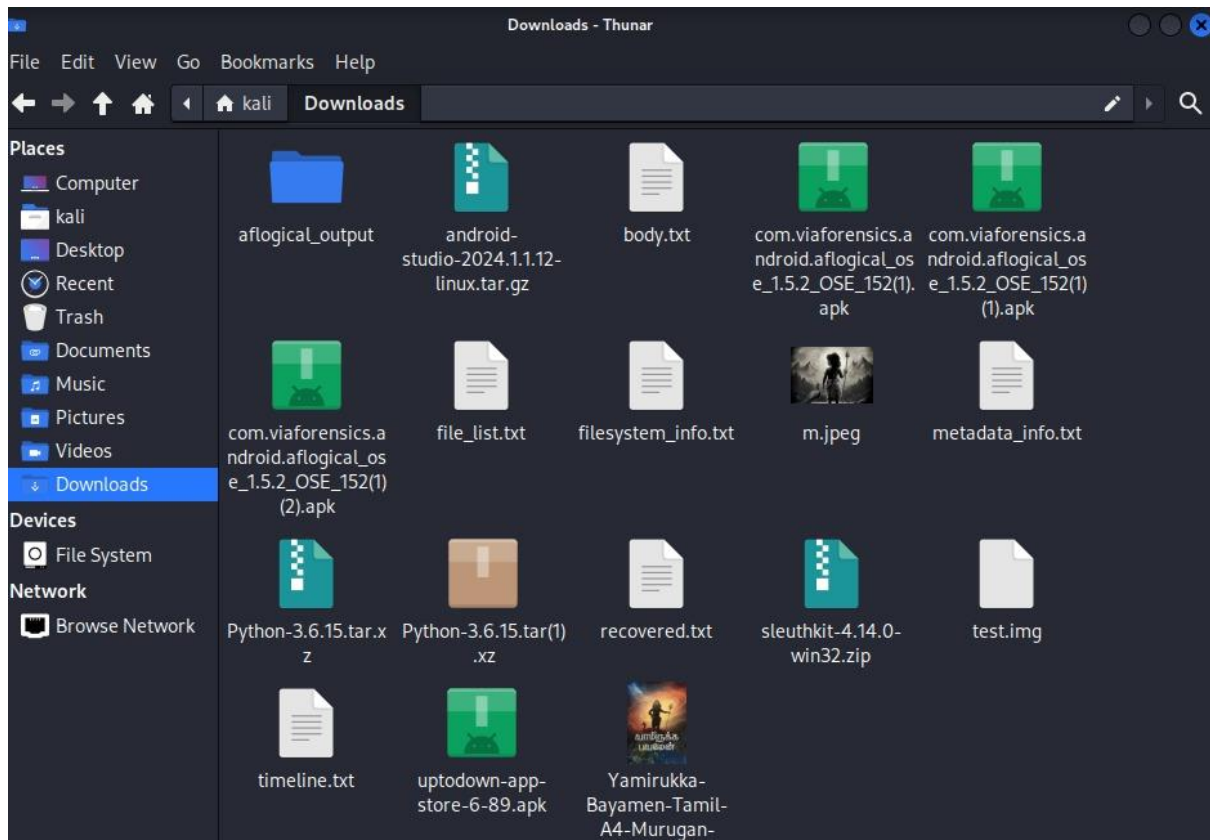
Open the terminal in Kali Linux.



```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)-[~]  
$ sudo apt install stegosuite  
[sudo] password for kali:  
Installing:  
  stegosuite  
  
Installing dependencies:  
  libpicocli-java      libswt-gtk-4-java  
  libswt-cairo-gtk-4-jni libswt-gtk-4-jni  
  
Summary:  
  Upgrading: 0, Installing: 5, Removing: 0, Not Upgrading: 1343  
  Download size: 2,520 kB  
  Space needed: 3,938 kB / 57.1 GB available  
  
Continue? [Y/n] y  
Get:1 http://mirror.kku.ac.th/kali kali-rolling/main amd64 libpicocli-java all 4.6.2-2 [390 kB]  
Get:2 http://kali.download/kali kali-rolling/main amd64 libswt-gtk-4-jni amd64 4.29.0-1 [164 kB]  
Get:4 http://kali.download/kali kali-rolling/main amd64 libswt-gtk-4-java amd64 4.29.0-1 [1,737 kB]  
Get:3 http://mirror.kku.ac.th/kali kali-rolling/main amd64 libswt-cairo-gtk-4-jni amd64 4.29.0-1 [25.0 kB]  
Get:5 http://kali.download/kali kali-rolling/main amd64 stegosuite all 0.9.0-1 [205 kB]  
Fetched 2,520 kB in 13s (193 kB/s)  
Selecting previously unselected package libpicocli-java
```

Step 2:

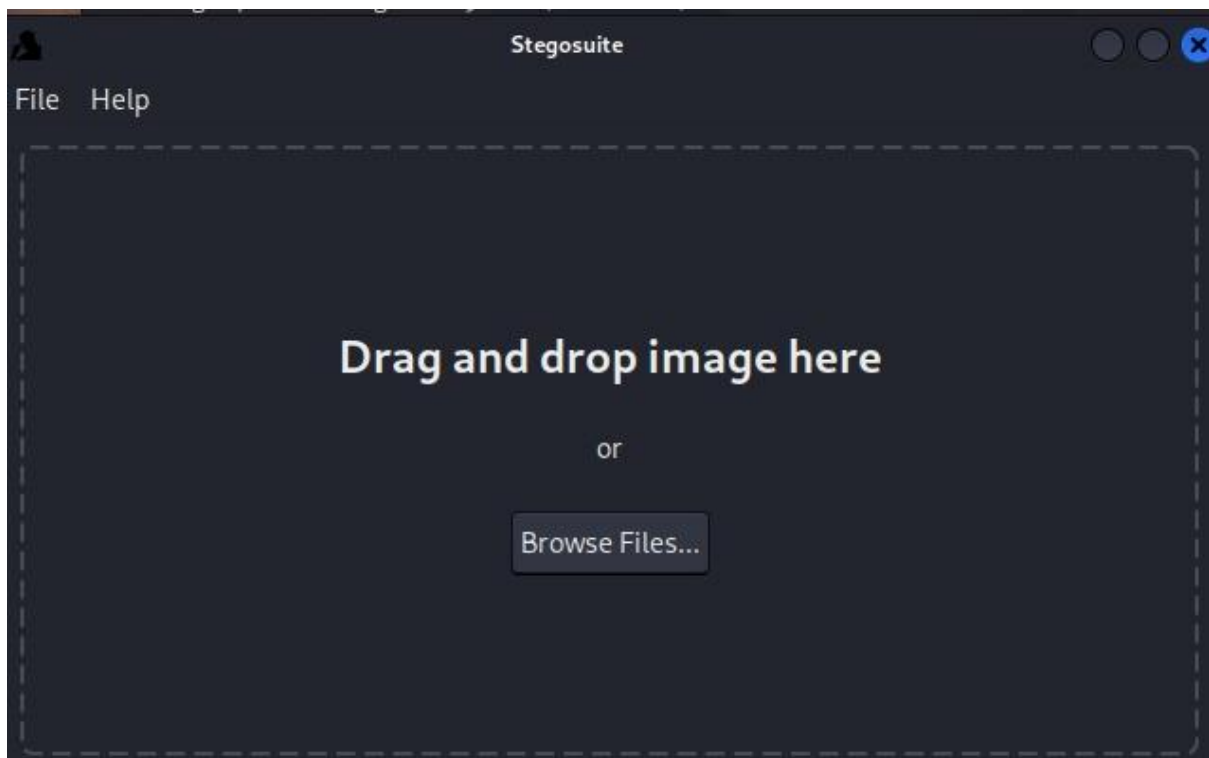
Open File EXPLORER and Select one text file hide some Message in that text file

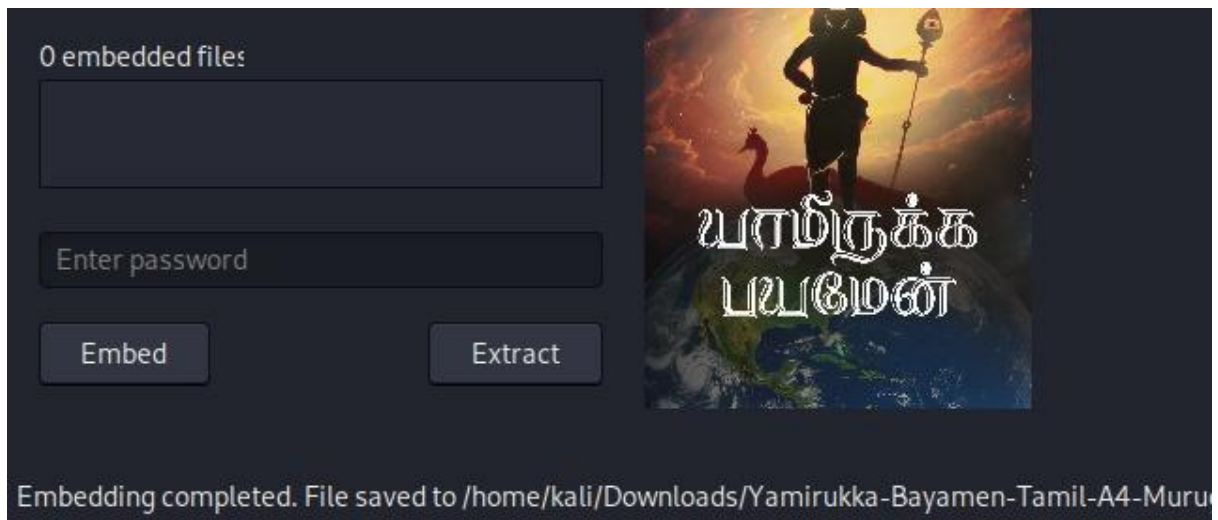
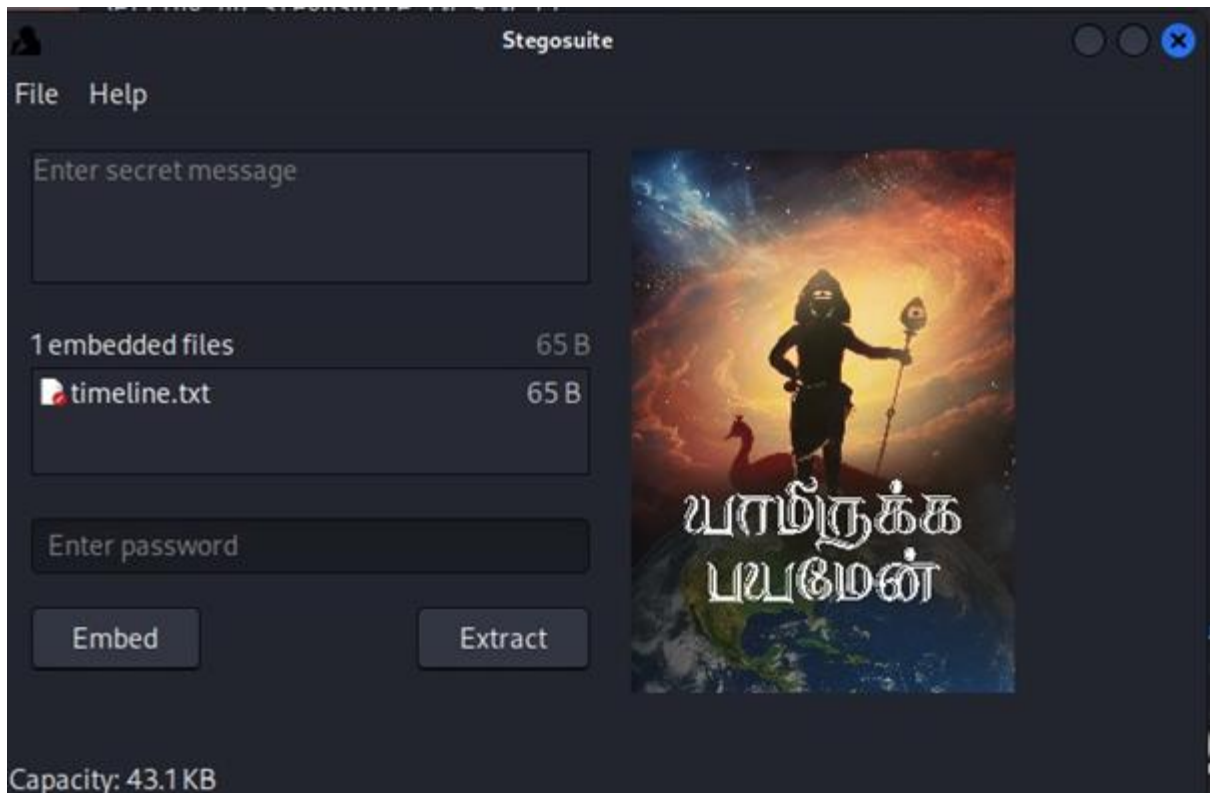


Step 3:

Click “Browse Files...” or drag and drop the image file (e.g., m.jpeg) into Stegosuite Click on the File → Embed option or directly enter the secret message (or browse and attach a text file like timeline.txt) to embed inside the image & Click on “Embed” and choose a location to save the new image

```
(kali@kali)-[~]  
$ stegosuite gui
```

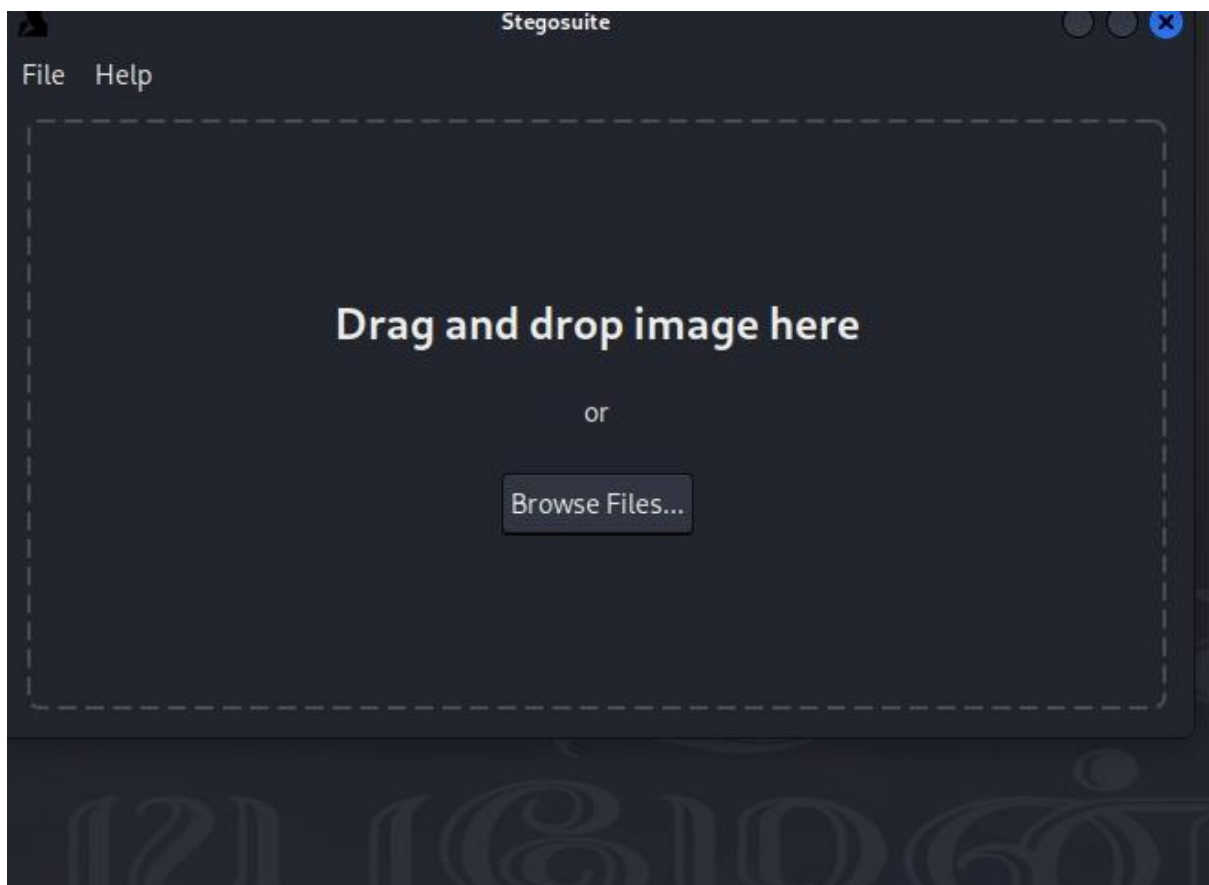


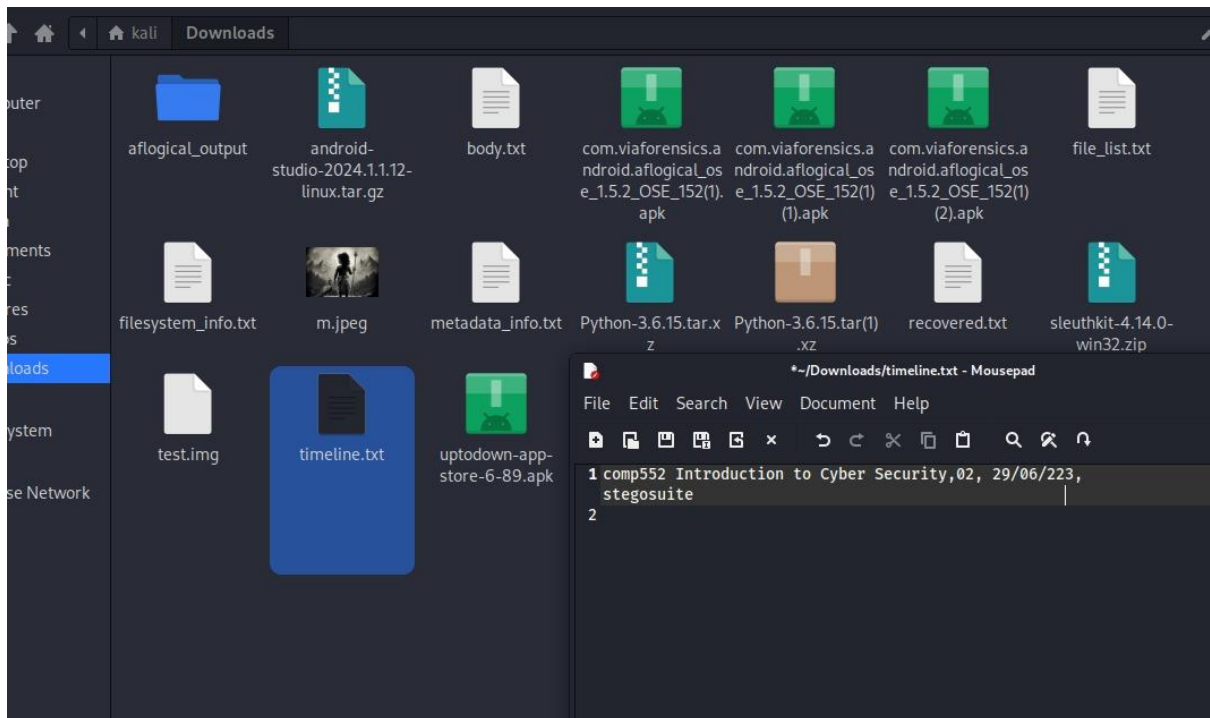
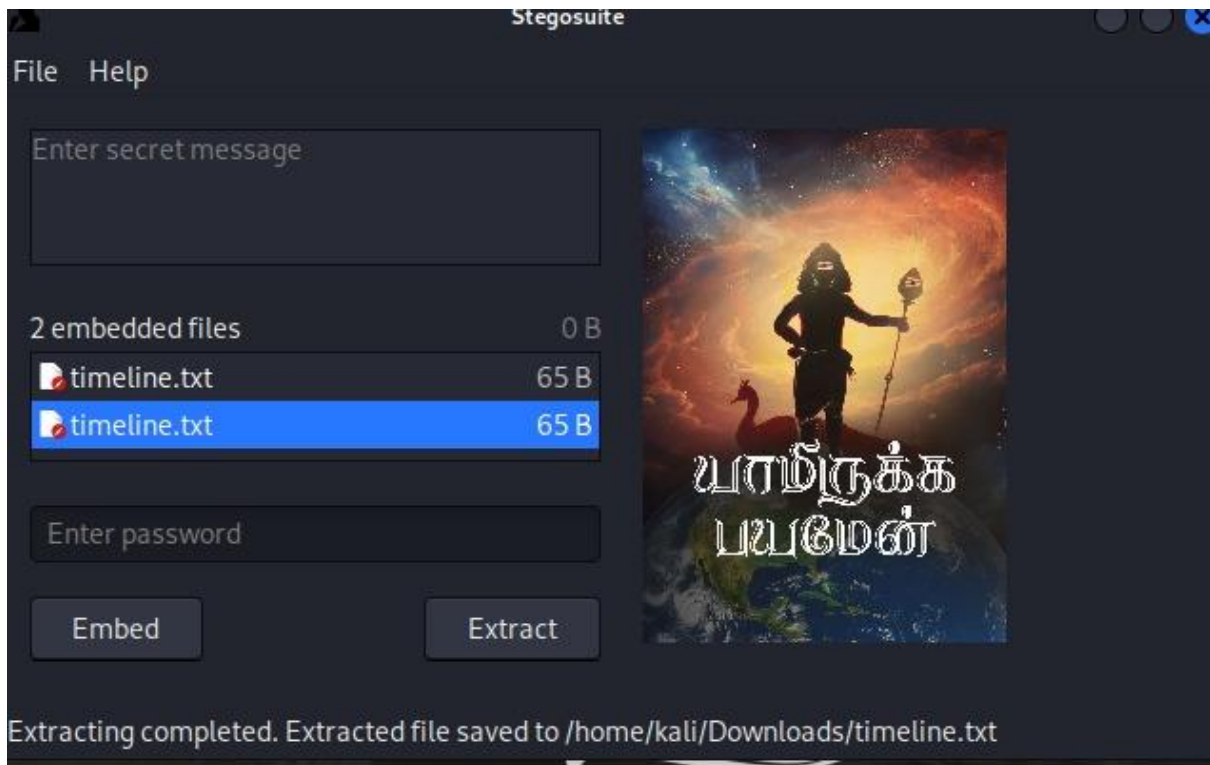


Step 4:

To extract the hidden message, open Stegosuite again → Click File → Extract, and select the image that contains the hidden message. click Extract to recover the secret message.

```
(kali㉿kali)-[~]  
$ stegosuite gui  
Loading jpg image from /home/kali/Downloads/Yamirukka-Bayamen-Tamil-A4-Muruga  
n-Poster-For-Room-1-scaled.jpg  
Saving jpg image to /home/kali/Downloads/Yamirukka-Bayamen-Tamil-A4-Murugan-P  
oster-For-Room-1-scaled_embed.jpg  
  
(kali㉿kali)-[~]  
$ stegosuite gui
```





Result:

The experiment to hide and extract secret information inside an image using Stegosuite was successfully performed and verified.