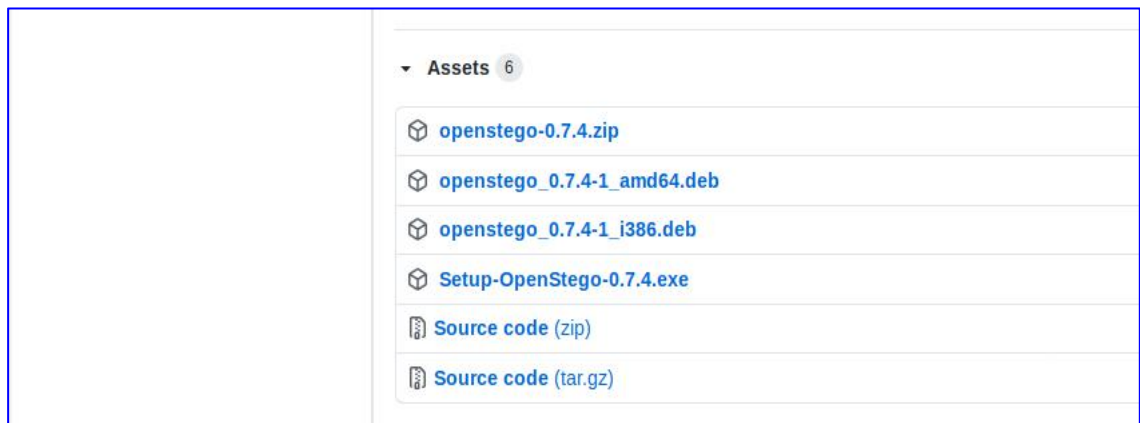# DIGITAL FORENSICS II
EXPERIMENT 6

Submitted to: Mr. Keshav Kaushik
Submitted by: Kashish Srivastava
R134218079
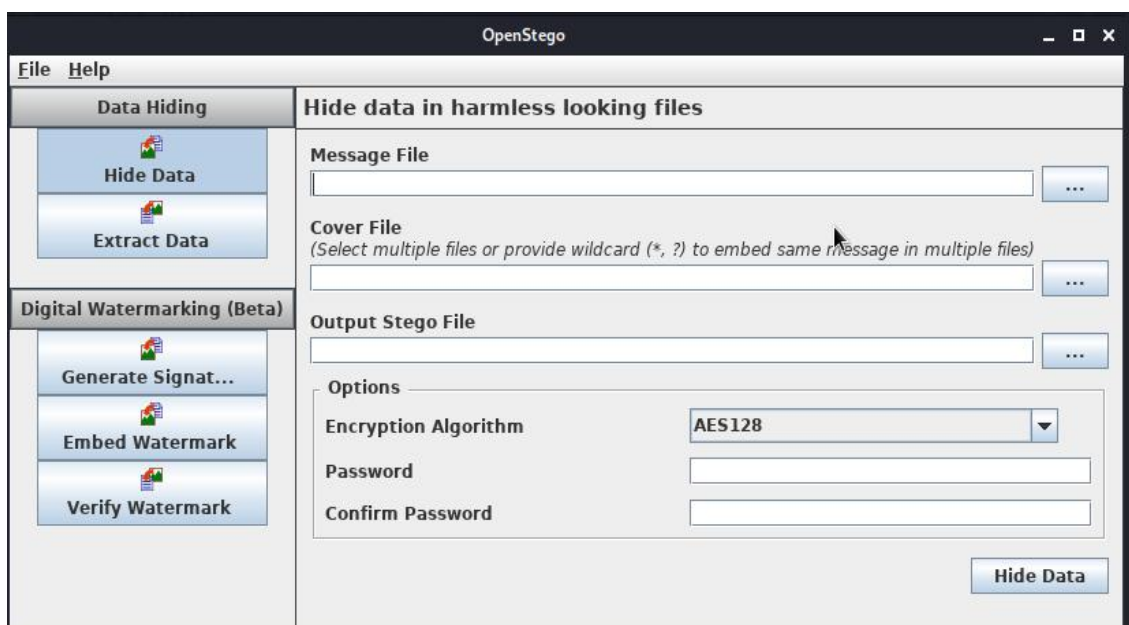**500067405**

Aim: Perform digital watermarking using Openstego tool.

Steps:

1. Download Openstego tool using Github link

2. We open our **openstego tool** and observe its **parameters**.

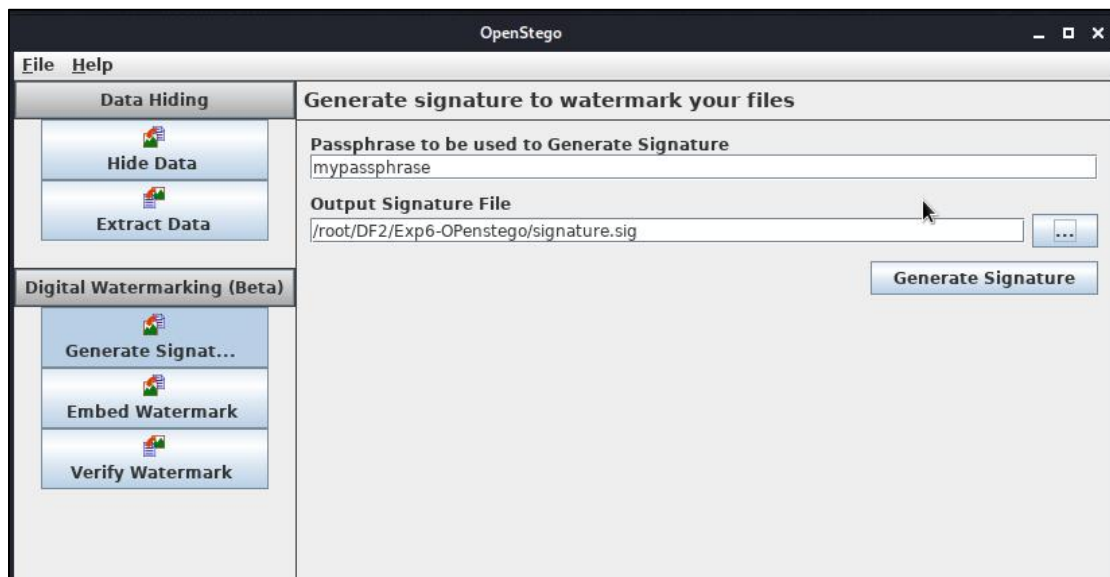3. The parameters for **"Digital watermarking"** are in three categories.

a) Generate Signature
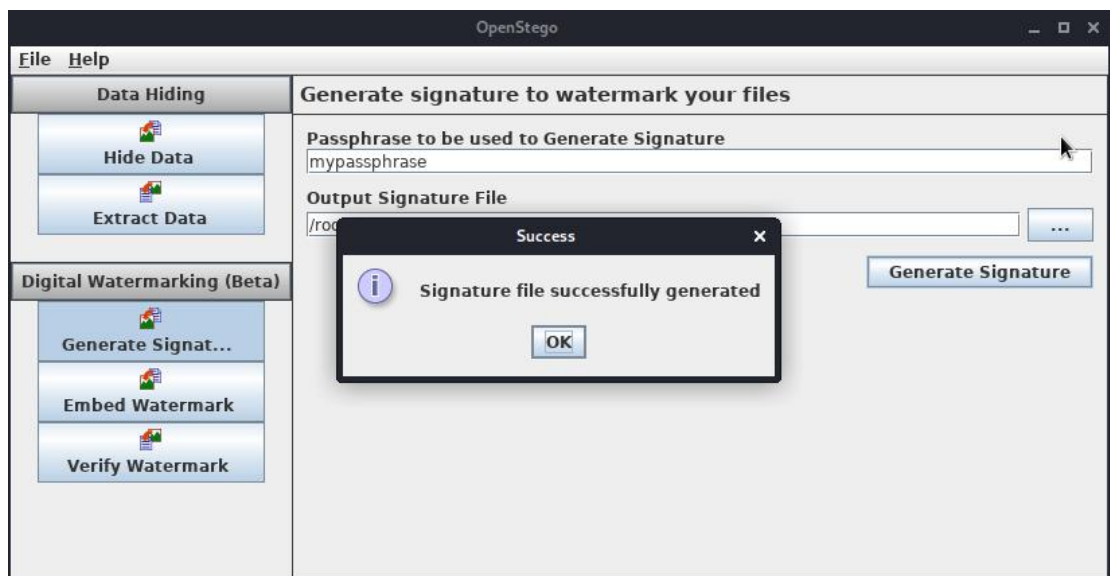b) Embed Watermark
c) Verify Watermark

Generate Signature has two parameters: "Passphrase to generate the signature" and "Output signature file"
Mentioning the Passphrase as **"mypassphrase"**
Output Signature File as **"signature.sig"**

4. Our signature is generated successfully.

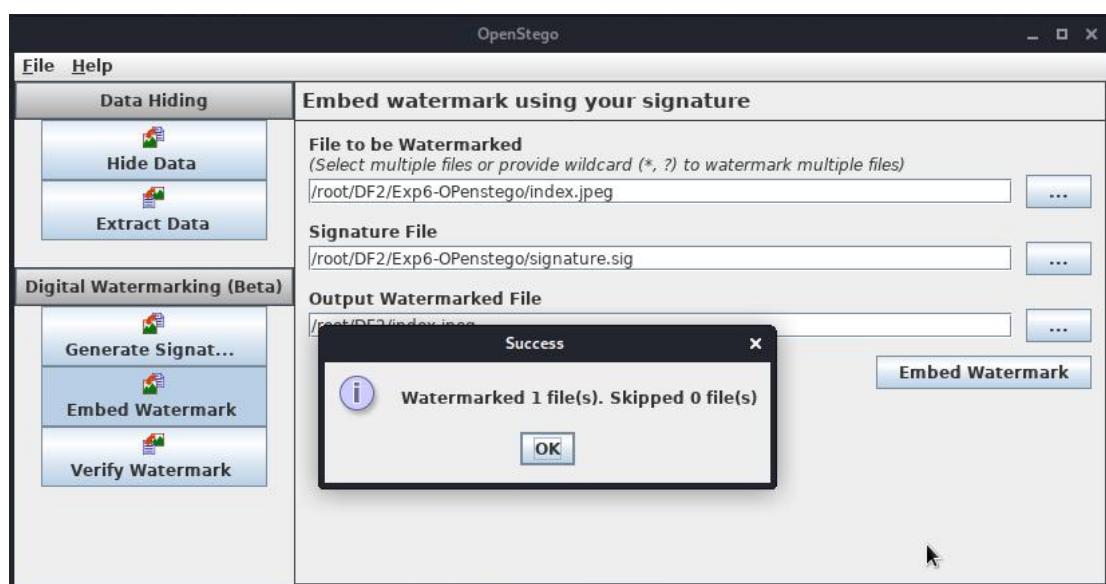5. After this we need to embed the watermark in the file. I have chosen an image file for watermarking.

<index.jpeg>

6. We have three parameters for embed watermark: "File to be watermarked", "Signature file" and "Output Watermarked file".
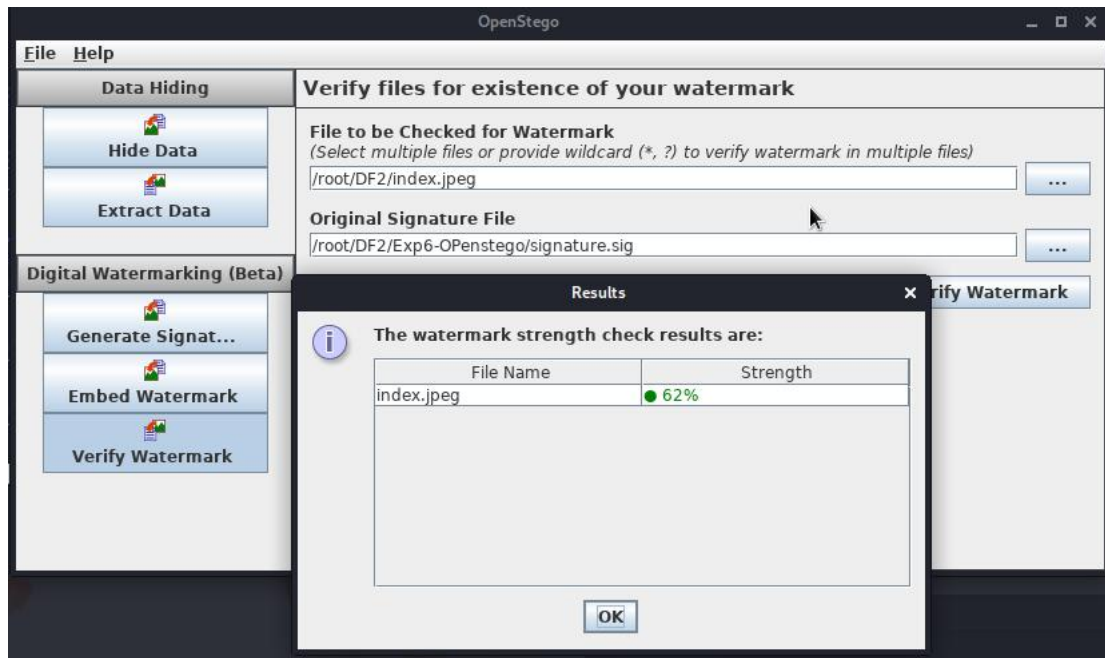
Adding the file to be watermarked as **"index.jpeg"** and mentioning the signature and output watermarked file.

We observe that our file has been **successfully watermarked**.

7. We have two parameters for verify watermark: "File to be checked for your watermark" and "Original Signature file".

Adding the file to be checked for watermark as **"index.jpeg"** and mentioning the signature for verification.

We see the verification results and get the **watermark strength as 62%** for our image file.

Hence we have successfully embedded and verified the watermark for the image file.