Stegosaurus Writeup

The user starts with an image of a Pterodactyl where the image appears to be completely normal. A hint for what this challenge includes is from the title "Stegosaurus" with the hint being that this challenge is related to Steganography. Some basic tools such as binwalk won't reveal anything although the first hurdle is finding the text hidden inside of the image.

The intended solution for this is through a tool such as stegseek or stegcracker which will try to extract things hidden through Steghide. Running a tool such as stegseek will reveal that something has been hidden with the password "joshua" and output what has been hidden...

```
(kali@ kali)-[~/hacksoc/stegosaurus]
$ stegseek pterodactyl.jpg
StegSeek 0.6 - https://github.com/RickdeJager/StegSeek

[i] Found passphrase: "joshua"
[i] Original filename: "file2".
[i] Extracting to "pterodactyl.jpg.out".
```

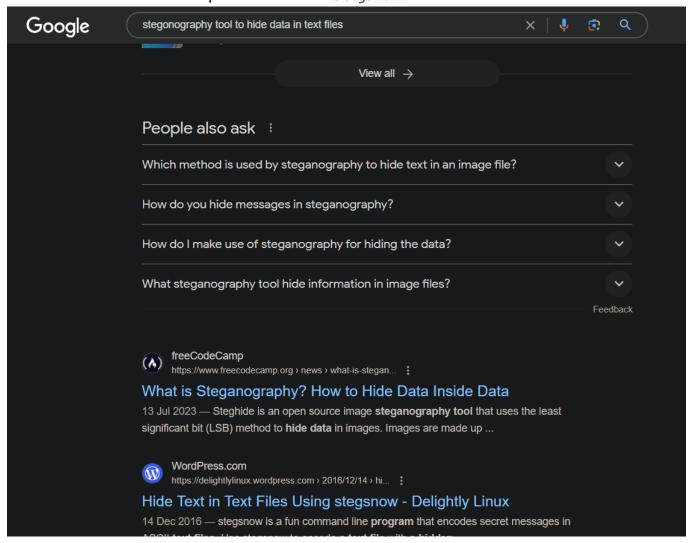
Looking at the contents from stegseek, the hint for the flag is meant to be obvious.

```
(kali% kali)-[~/hacksoc/stegosaurus]
$ cat pterodactyl.jpg.out
Don't you just love dinosaurs? They truly are amazing
```

It is aimed that the user realises there is a large amount of empty lines after the original "Don't you just love dinosaurs? They truly are amazing". It is hoped that this indicates to the user that something isn't quite right with the amount of empty lines. This can be further confirmed by loading the file into a hexadecimal editor and realising that there is some kind of data here.



It is then hoped that the user will do some research into hiding data in text files and will then stumble across one of the top links related to stegsnow.



Through reading this document, it shows the user how to find hidden data from files, and once running the command, will reveal the flag.

```
(kali@kali)-[~/hacksoc/stegosaurus]
$ stegsnow -C pterodactyl.jpg.out
HACKSOC_CTF{599ad66a7bea3909ba9e28dd4225c6a4}
```