

1. Embed the file 'secretmessage.txt' inside the cover file 'coverfile.jpg' and name the output stegofile 'hiddenmessage.jpg'. What is the full command you would use to do this?

Answer: `steghide embed -cf coverfile.jpg -ef secretmessage.txt -sf hiddenmessage.jpg`

- steghide – Selects the tool we want to use
- embed – Selects the mode we want to use (embedding files)
- -cf laptop.jpg – Selecting the cover file (the file we want to hide data inside)
- -ef secret.zip – Selecting the file we want to embed (the file we want to hide)
- -sf flag to output it to a new file

When prompted for a passphrase, you may enter any password you like. This will be used to extract the data later to protect its confidentiality, meaning only the intended recipient can access it.

2. Flag 1 is hidden inside a text file in one of the steganography files. What is the value?

Answer: `kAN105KS`

Command: `Steghide extract -sf pizza.jpg`

- steghide – Selects the tool we want to use
- extract – Selects the mode we want to use (extracting files)
- -sf laptop2.jpg – Selects the steganography file for extraction (combination of cover file and hidden data)

Then enter the password

3. Flag 2 is hidden inside a text file in one of the steganography files. What is the value?

Answer: `001JDANL`

Do the same you did for the question #2 but try we a different file and try we all the passwords.

4. Flag 3 is hidden inside a text file in one of the steganography files. What is the value?

Do the same you did for the question #2 but try we a different file and try we all the passwords.

Answer: `1LRBA9IU`