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[Dashboard](#) / [My classes](#) / [CS808](#) / Week 4 (w/c 14th October): Steganography and Acces... / [4.13 Steganography Questions](#)



NH

CS808: Computer Security Fundamentals

4.13 Steganography Questions

Steganography

Question 1

In your own words, explain how the LSB algorithm works.

Question 2

How does steganography compare with cryptography?

Question 3

What impact would it have on a cover image if you used the four right most bits of a byte instead of only the right most bit?

Question 4

Construct a scenario where an individual may prefer to use steganography instead of cryptography.

Question 5 (Scenario)

Your friend is discovering steganography for the first time and wants to try out software which hides data in digital images.

Two images your friend is considering are shown below. The file they would like to hide is a large file. What criteria should they consider in making a selection of cover image?

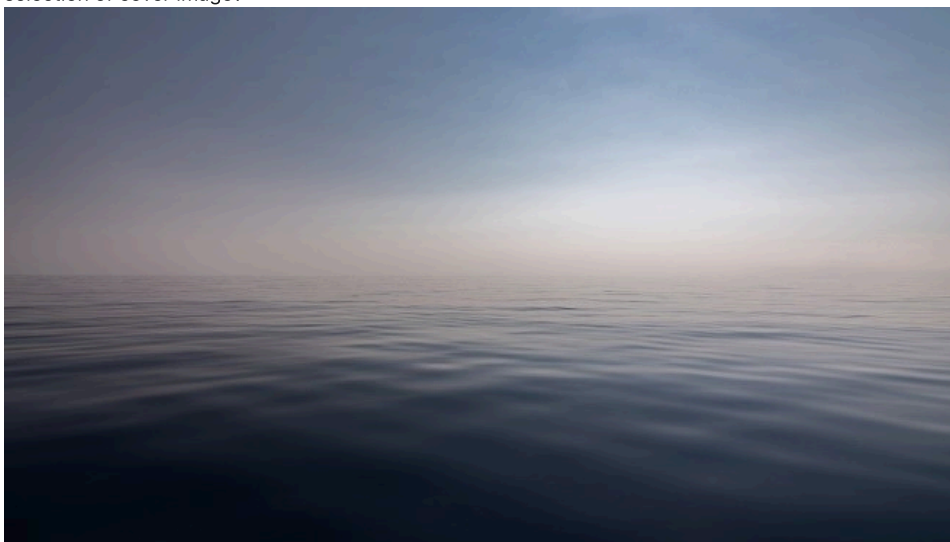


Figure 1



Figure 2

Last modified: Monday, 21 August 2023, 2:30 PM

◀ 4.12 Authentication and Authorisation Questions

Jump to...

[4.14: Pre tutorial question forum ▶](#)

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