Steganography

- Hiding Data Within Data -



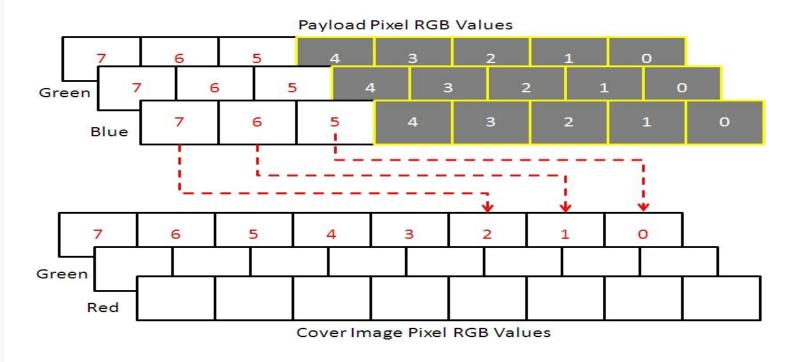
The word

steganography is derived from the Greek words "stegos" meaning "cover" and "grafia" meaning "writing"

defining it as "covered writing". In image steganography the information is hidden exclusively in images.



Least Significant bit replacement



Cover image





Before hiding an image inside

After hiding an image inside

Stegno image



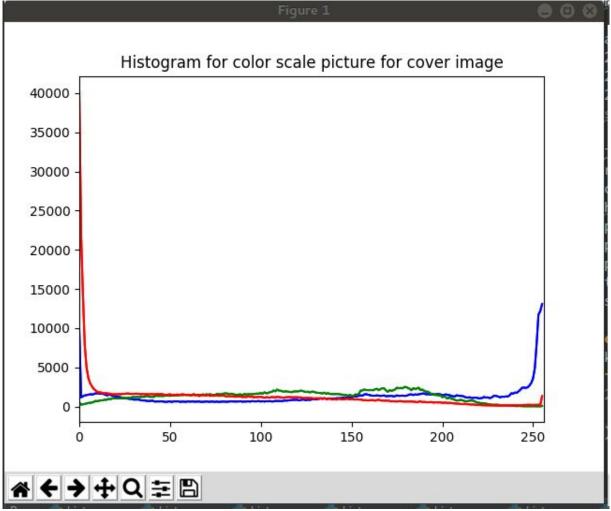
Recovered image - 3 bits



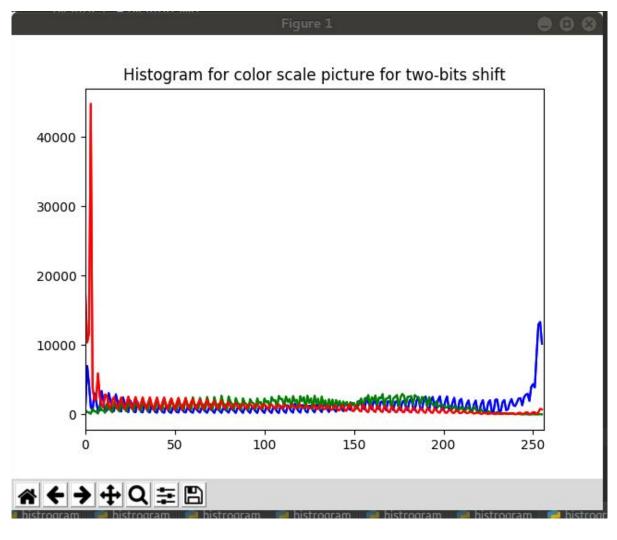
Recovered image - 2 bits

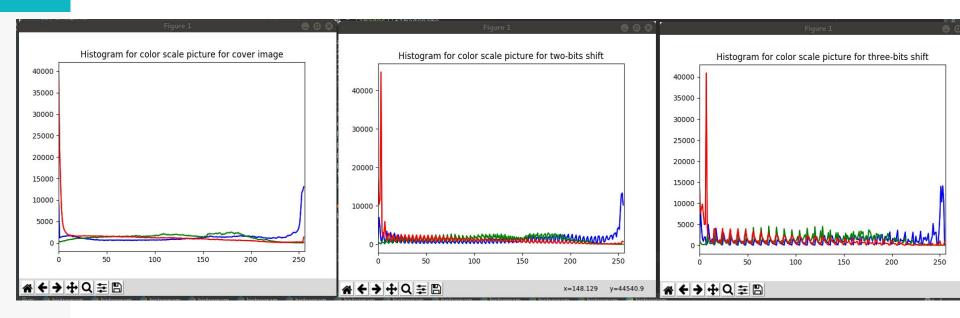








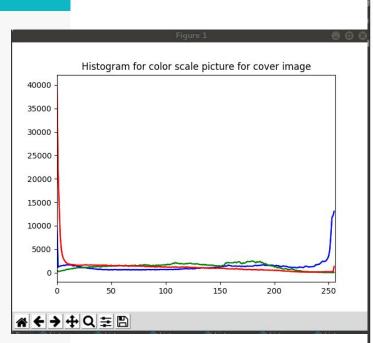


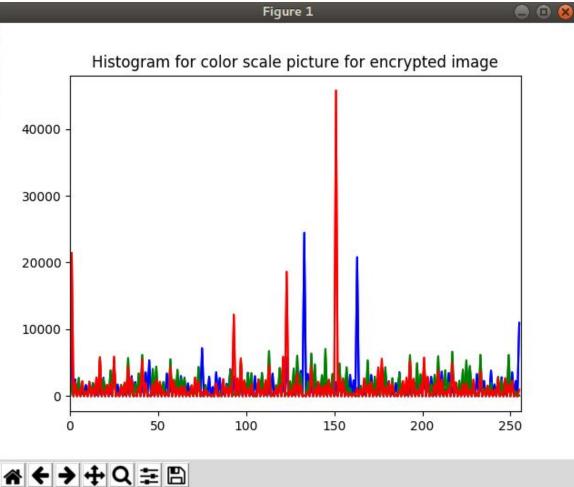


(*pixel* ^ 43) % 256 = value

(Value ^ 3) % 256 = *pixel*











original image

retrieved image - 3 bits





original image

retrieved image - 3 bits