

Do It: Cryptography

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Tap Code

I'm giving a plain text message to a brave volunteer.
The brave volunteer will tap it out.

What is the message?

Steganography.

Write a letter (or tweet or blog post) to hide the message:

“Where is the money”

by using every 5th word.

Can you figure out this message?

*Once upon a midnight *** dreary, while *** I pondered, weak and weary,
Over*** many a**** quaint and curious volume* of forgotten lore—
While I nodded, nearly**** napping***, suddenly there came a tapping,
As of some one gently rapping, rapping**** at my chamber door.
"Tis some visiter," I** muttered**, "tapping at**** my chamber door—
Only this and nothing*** more."*

Can you figure out this message?

“In a hole in the ground there lived a hobbit. Not a nasty, dirty, wet hole, filled with the ends of worms and an oozy smell, nor yet a dry, bare, sandy hole with nothing in it to sit down on or to eat: it was a hobbit-hole, and that means comfort.”

Shift Cipher

Encrypt the magic word – use a shift of 10.

ABRA CA DABRA

Decrypt my favorite super-hero – use a shift of 10.

SBYX WKX

Keep using your “domain knowledge”.

This is a Caesar cipher of a character from the Harry Potter world. Who is it and what is the shift?

S P O X F B T M F Z

Try this one. The cipher text is a super-hero group in a recent movie.

FTZQCHZMR NE SGD FZKZWX

General substitution cipher

Using the secret key, decrypt this cipher text: A F R T H Z K T

Transposition

Using the transpositions: (1, 3), (1, 2), (2,5) on 5-letter blocks, decrypt the following:

A V M O N R A E O B D Q R X Q