

Webtech Coursework 1

For this assignment I am to create a page which will allow a user to type in a message and choose between a minimum of 2 different ciphers to encrypt the message. They must also be able to decrypt the message from its encrypted state.

I plan to look at online material and labs to help me get an idea of what and how to crate a page to meet the requirements. It will include multiple buttons to allows the user to pick between ciphers and the encoded message will be displayed below.

Hide your secret messages by encrypting them

ROT13 is an encryption technique that will change the letter by 13 places to the right of the alphabet The Scrambler will change the letters so that it is swaped with a predetermined letter The Numberise will convert the letters to numbers

ROT13ScrambleDescrambleNumberise

Denumberise

Your message:

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ROT13ScrambleDescrambleNumberise

Denumberise

Your message:

arnai dprke

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ROT13ScrambleDescrambleNumberise

Denumberise

Your message:

hello friend

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ROT13Scramble

Descramble

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Your message:

yrgf zrrg hc

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Your message:

lets meet up

I believe that I have met the requirements as I have gotten atleast 2 ciphers that allow the user to input a message and have a encoded message outputted as well as being able to reverse this. However, I could have improved this by including capital letters in my encryptions.

I feel I learned a lot overall about how JavaScript and html both work independently and together, I feel that my knowledge and ability has improved alongside this coursework and it makes me want to continue to improve these skills. Some challenges I had was making the input/output be reversable but I overcame this by looking back on labs as well as looking at online help guides.