Encryption Decryption Script

Part 1: encryption

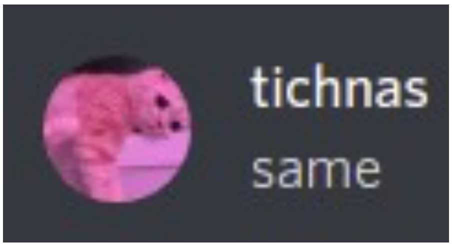
1. Start by making for loop run for 127 times and store the modulo 2 of the randomly generated numbers in an array, output this into a file called key.txt.
2. Store the first 127 output in a separate array and generate the rest of the key using A[i] = A[i-1] ^ A[i-127].
3. Input the data which you want to encrypt using fopen(), type cast it into integer and convert it into binary.
4. Now print out Y = Data[i] ^ Key[i+127] into a file called crypt.txt

Part 2: decryption

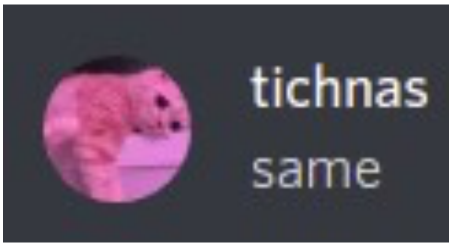
1. Start by inputting the key and crypted file.
2. Using the first 127 output in a separate array and generate the rest of the key using

   A[i] = A[i-1] ^ A[i-127].
3. Now take the exor of the key with the data from the crypted file, then convert 8 bits at a time to integer values.
4. Type case the int values into char and output the values into decrypt.txt

Sample input & output:



tichnas
same



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same

Conclusion:

Any piece of information in any form can be easily coded and decoded for a safe transfer, since the possibilities for the key required ranges up to 2^127 so this makes it impossible to “guess” the key, therefore uncrackable.