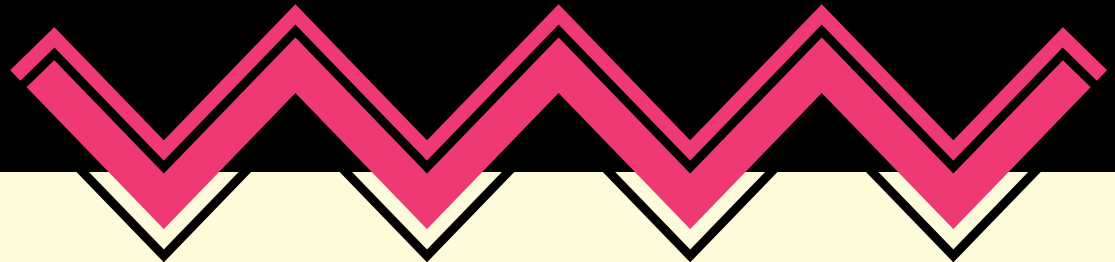


Start

WHAT IS CRYPTOGRAPHY?



The art in concealing data information to safeguard actual messages from being disclosed

Formula:

$$C=E(K,M)$$

where,

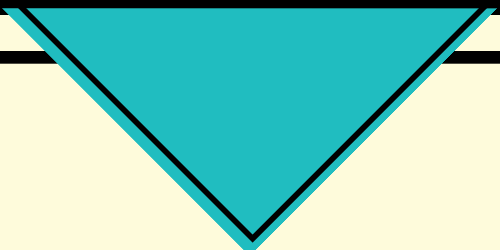
C= Ciphertext

E=Encryption function

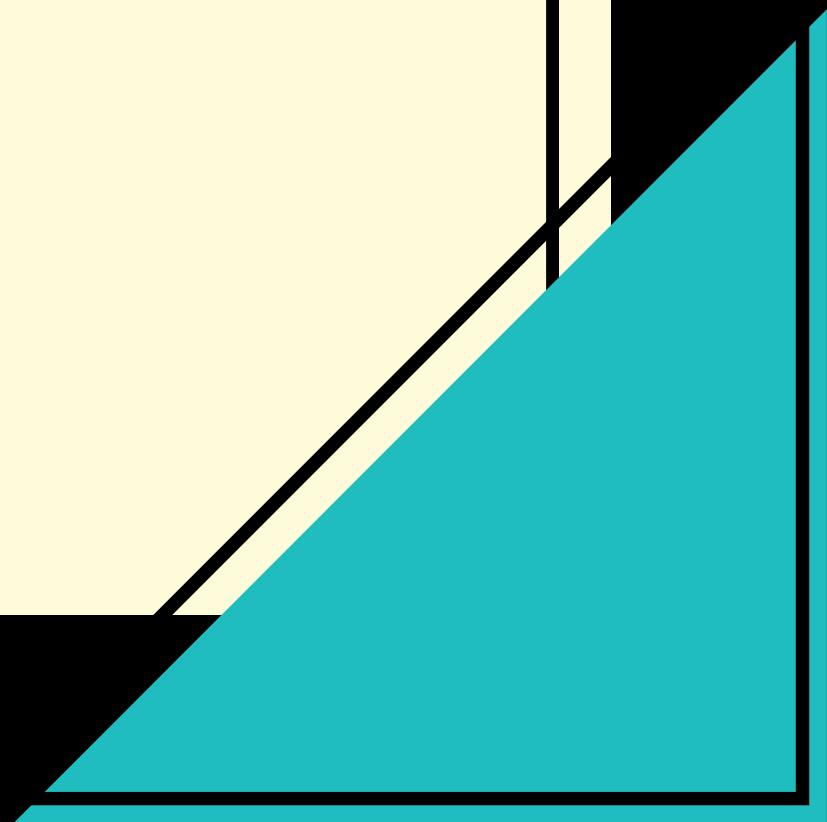
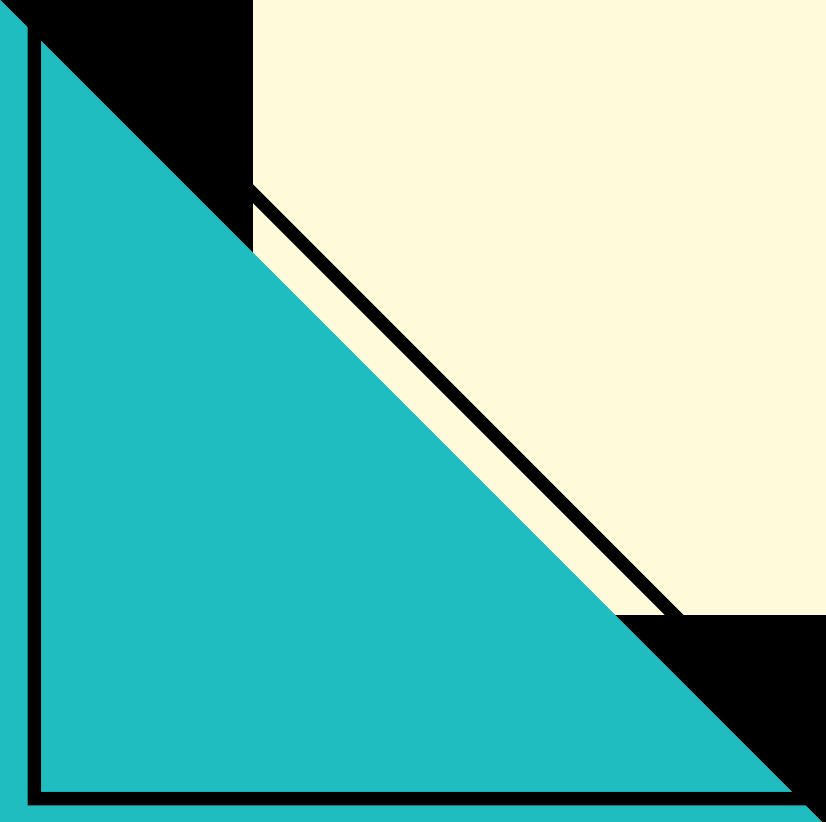
K=keys

M=Message (Plaintext)

CLASSICAL VS MODERN



While classical cryptography uses traditional methods to encrypt messages, modern world has influence mathematical algorithm into cryptography to make it more complex and secure



CLASSICAL VS MODERN

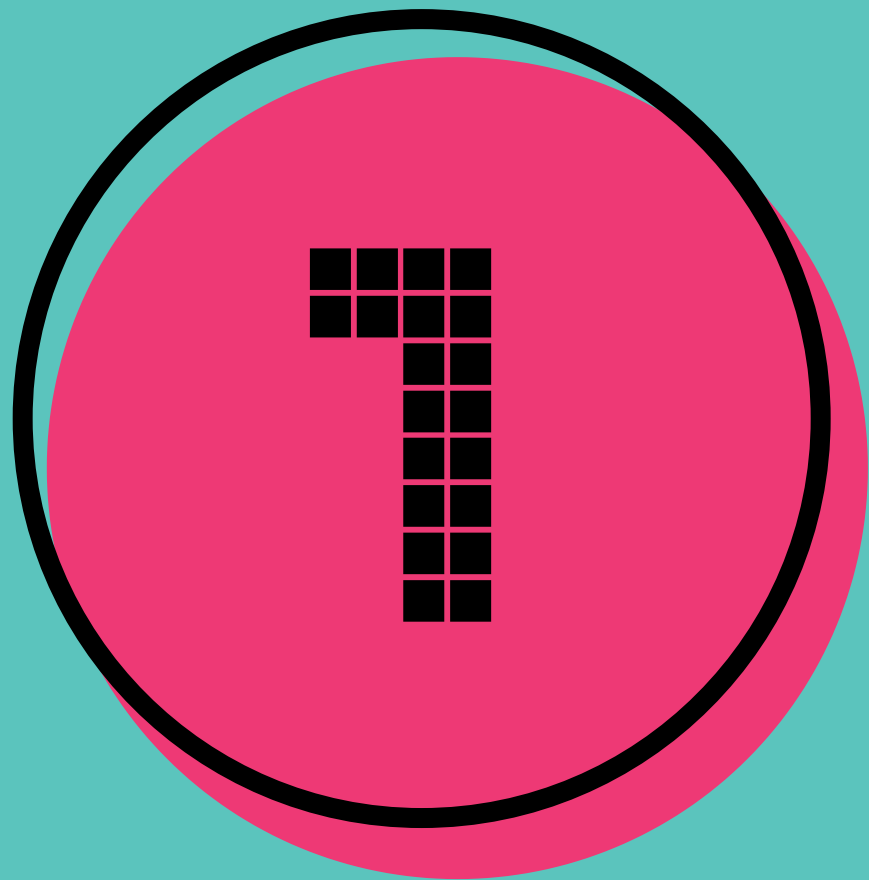
Divide your number by 2 and write the remainder until you get zero as the answer. Write the remainders starting from the last one first.

296 divided by 2 = 148 remainder 0
148 divided by 2 = 74 remainder 0
74 divided by 2 = 37 remainder 0
37 divided by 2 = 18 remainder 1
18 divided by 2 = 9 remainder 0
9 divided by 2 = 4 remainder 1
4 divided by 2 = 2 remainder 0
2 divided by 2 = 1 remainder 0
1 divided by 2 = 0 remainder 1

EXAMPLE

CLASSIC	MODERN
Caesar cipher	AES
Vigenere cipher	DES
Transposition	RSA
Scytale	ECC
Atbash	Assymetric

Is binary code a cryptography?

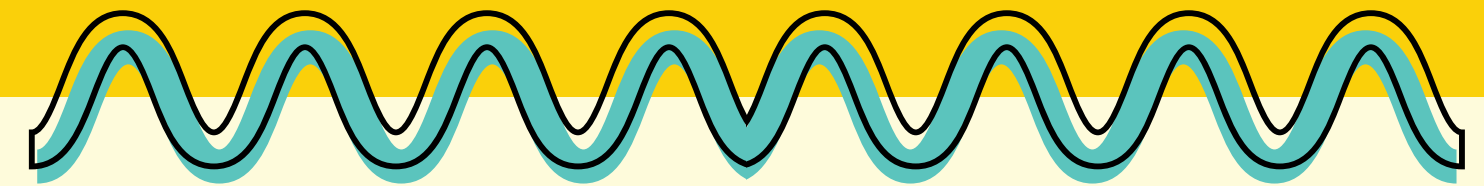


1 IS ON



0 IS OFF

TIPS AND TRICKS!!



- Learn about classical and modern cryptography
- Understand the difference of methodology for cryptography
- Browsers, ChatGPT and other GPTs are your besties, make use of it well :)

HOW TO DO
CRYPTOGRAPHY?

READY FOR THE
CHALLENGE?