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AGENDA

- Group Presentations
- Crypto challenge

GROUP PRESENTATIONS

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Presenters:

- -Approach the microphone so that everybody can hear you well
- -Try to keep a good pace
- -Watch your time

Audience:

- -Be respectful with your classmates and keep quiet during their presentation
- -Engage with the topic presented



CTF - CRYPTO CHALLENGE

Instructions: Given the clues in the question, infer the encryption algorithm involved and solve the challenge.

1) Of Caesar, my Caesar [3]

Ciphertext: Ifdphlvdzlfrqtxhuhg

Plaintext=

2) hsabtA

Ciphertext: ZGYZHSRHHRNKOVYFGVZHBGLYIVZP

Plaintext=

3) Rail Fence Cipher (Encryption). Key =3

Special Instructions: Remove spaces when encrypting, do not use nulls. Alphabet: "ABCDEFGHIJKLMNOPQRSTUVWXYZ"

Plaintext: Run away now

Ciphertext =

4) Rail Fence Cipher (Decryption), Key =3

Special Instructions: Remove any nulls that have been used

Alphabet: "ABCDEFGHIJKLMNOPQRSTUVWXYZ"

Ciphertext: WSLDHTHUDEOAOWX

Plaintext: =

5) Another easy one (Vigenère)

Ciphertext: wqceagvmwgia

Plaintext=

CTF - CRYPTO CHALLENGE

Instructions:

Complete the table. What is the hash for the following Strings? Use this link: http://asecuritysite.com/encryption/md5

1	[d	String	Algorithm H	ash
		Hello	MD5	8B1A9953C4611296A827A BF8C47804D7
6 7		hello	MD5	
		goodbye	SHA-256	
8		This is my favorite subject	SHA-256	
S)	d131dd02c5e6eec4693d9a0698aff95c2fcab5 8 712467eab4004583eb8fb7f8955ad340609f4b3028	MD5	
		3e4888325 7 1415a085125e8f7cdc99fd91dbd f 280373c5bd8823e3156348f5bae6dacd436c919c6d d53e2 b 487da03fd02396306d248cda0e99f33420f577ee8ce54b67080 a 80d1ec69821bcb6a88393 96f965 2 b6ff72a70	Hex input	
1	LO	d131dd02c5e6eec4693d9a0698aff95c2fcab5 0 712467eab4004583eb8fb7f8955ad340609f4b3028	MD5	
	10	3e4888325 f 1415a085125e8f7cdc99fd91dbd 7 280373c5bd8823e3156348f5bae6dacd436c919c6d d53e2 3 487da03fd02396306d248cda0e99f33420f577ee8ce54b67080 2 80d1ec69821bcb6a88393 96f965 a b6ff72a70	Hex input	