

Department of ECE
Vasavi college of Engineering
Hyderabad

Virtual labs- Network security

4/4 B.E VII semester

1. DES Implementation:

PART I

Message:

Key Part A:

Key Part B:

PART II

Your text to be encrypted/decrypted:

Key to be used:

Output:

PART III

Enter your answer here:

CORRECT!

2. Diffie Hellman algorithm:

Computer Science & Engineering > Cypryptography Lab > Experiments

Introduction
Theory
Objective
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Experiment
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Further Readings
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Diffie-Hellman Key Establishment

Public Information:
Prime Number: 7237
Generator G: 26

Alice
Key: 3911
4993

Received: 4
 317

Bob
Key: 5073
4

Received: 4993
 317

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3. RSA implementation:

Public-Key Cryptosystems (PKCSv1.5)

Plaintext (string):

Ciphertext (hex):

Decrypted Plaintext (string):

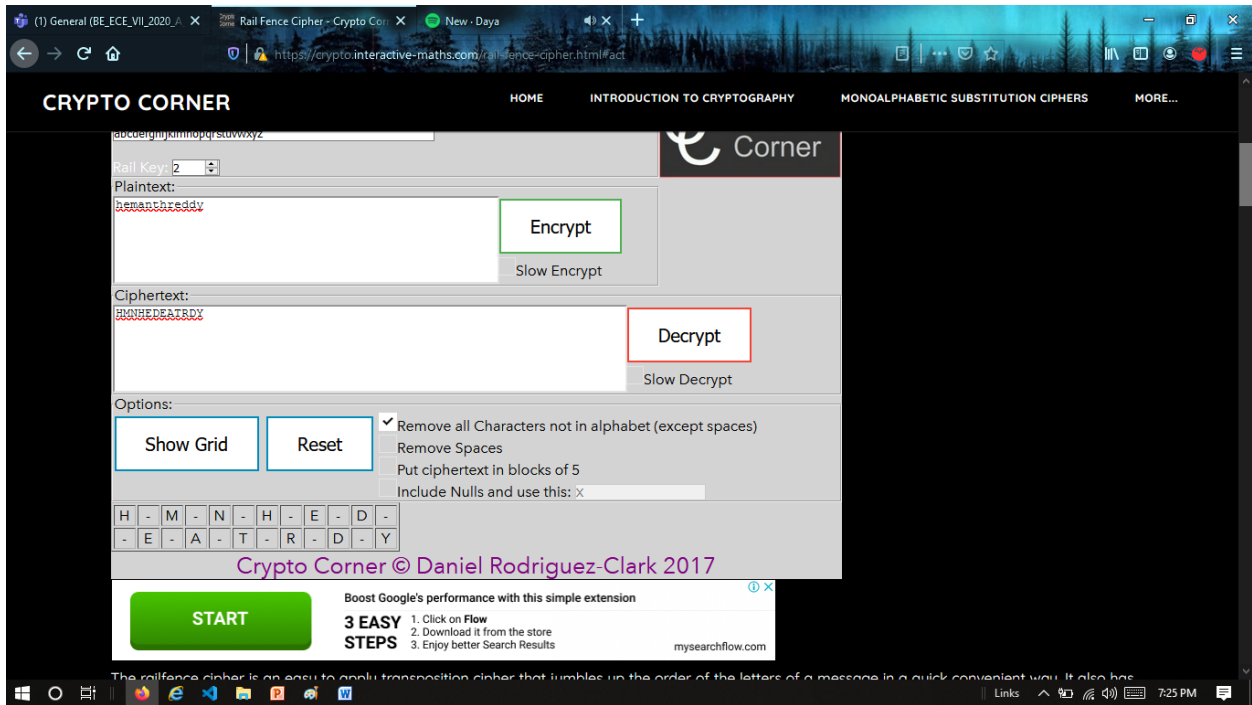
Status:

RSA private key

bits =

Modulus (hex):

4. Railfence cipher:



5. Playfair cipher:

Encrypt ▾

Translate the letter into

Encode double letters (down and right one spot)

Alphabet Key: - [Show Keymaker](#)

Tableau Used:

A	B	C	D	E
F	G	H	I	K
L	M	N	O	P
Q	R	S	T	U
V	W	X	Y	Z

Your message:

[Add Spaces](#) - Adds a space after every other letter (only A-Z count) so you can see the letter pairs.

[Only Letters](#) - Removes all non-letters from the text.

This is your encoded or decoded text:

6. Caesar Cipher:

Plaintext

hemanth reddy

shift: 5

Encrypt

Decrypt

Ciphertext

mjrfsym wjiid

7. Breaking the shift cipher:

PART III

Plaintext:

attack at dawn

shift: 7

Encrypt

Decrypt

Ciphertext

haahjr ha khdu

PART IV

Enter your solution Plaintext and shift key here:

attack at dawn

Key 7

Check my answer!

CORRECT!!

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