

## LAB 01: Working with classical ciphers

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SECTION	C

For the given questions, write a python code and attach the snapshots.

1.	For the given input, perform Caesar cipher encryption and decryption. Plain text: "CRYPTOGRAPHY" Key: 10
SOL	<pre> PS X:\sem5\Crypto&gt; python -u "x:\sem5\Crypto\week1\ceasercipher.py" (PES2UG20CS130) Enter the text you want cipher: CRYPTOGRAPHY (PES2UG20CS130) Enter key:10 (PES2UG20CS130) Ciphertext= MBIZDYQBKZRI PS X:\sem5\Crypto&gt;  PS X:\sem5\Crypto&gt; python -u "x:\sem5\Crypto\week1\ceasercipher_d.py" (PES2UG20CS130) Enter the text you want decipher: MBIZDYQBKZRI (PES2UG20CS130) Enter key:10 (PES2UG20CS130) Plaintext= CRYPTOGRAPHY PS X:\sem5\Crypto&gt; </pre>
2.	For the plaintext given in question 1, apply Play Fair cipher encryption with key "WORK".
SOL	<pre> PS X:\sem5\Crypto&gt; python -u "x:\sem5\Crypto\week1\playfair.py" (PES2UG20CS130) Enter Text: CRYPTOGRAPHY (PES2UG20CS130) Enter Key: WORK (PES2UG20CS130) CipherText: DOVSPAIIWOTLV PS X:\sem5\Crypto&gt; </pre>