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IMPLEMENTATION OF CEASAR CIPHER

ALGORITHM

The Caesar cipher is a type of substitution cipher, where each letter in the plaintext is replaced by a letter some fixed number of positions down the alphabet.

- Choose a shift value between 1 and 25.
- Write down the alphabet in order from A to Z.
- Create a new alphabet by shifting each letter of the original alphabet by the shift value. For example, if the shift value is 3, the new alphabet would be:
- A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
  D E F G H I J K L M N O P Q R S T U V W X Y Z A B C
- Replace each letter of the message with the corresponding letter from the new alphabet. For example, if the shift value is 3, the word "**hello**" would become "**khoor**".
- To decrypt the message, shift each letter back by the same amount. For example, if the shift value is 3, the encrypted message "**khoor**" would become "**hello**".

EXECUTION

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                                  Ceasar Cipher Encryption and Decryption
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                                  1: Encrypt
                                  2: Decrypt
                                  3: Exit program
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                                  Enter your choice : 1
Enter your Plaintext : CAMEROON
Enter the key : 6
The Encrypted text is : IGSKXUUT

                                  Enter your choice : 2
Enter the Ciphertext : IGSKXUUT
Enter the key : 6
The Decrypted text is : CAMEROON

                                  Enter your choice : 1
Enter your Plaintext : programming
Enter the key : 22
The Encrypted text is : lnkcnwiiejc

                                  Enter your choice : 2
Enter the Ciphertext : lnkcnwiiejc
Enter the key : 22
The Decrypted text is : programming

                                  Enter your choice : 3
```