

Section 1

1. Write a Matlab function to implement the **Caesar** cipher encryption using the shift-by-n for different values of keys. The function should take the Plaintext and the key as inputs, and returns the encrypted Ciphertext.
2. Write a Matlab function to implement the **Caesar** cipher decryption. The function should take the Ciphertext and the key as inputs, and returns the decrypted Plaintext.
3. Given that the **Caesar** cipher is used, find the plaintext from the ciphertext KHOORZRUOG