Section 3

1. Write a Matlab function to implement the **Vigenere** cipher encryption. The function should take the Plaintext and the key as inputs, and returns the encrypted Ciphertext.

2. Write a Matlab function to implement the **Vigenere** cipher decryption. The function should take the Ciphertext and the key as inputs, and returns the decrypted Plaintext.

3. Write a Matlab function to implement the **Vigenere** cipher encryption using Vigenere table. The function should take the Plaintext and the key as inputs, and returns the encrypted Ciphertext.

4. Write a Matlab function to implement the **Vigenere** cipher decryption using Vigenere table. The function should take the Ciphertext and the key as inputs, and returns the decrypted Plaintext.