**11. Write a high level language program for one-time pad version of the Vigenère cipher. In this scheme, the key is a stream of random numbers between 1 and 26. For example, if the key is 3 19 5 . . . , then the first letter of the plaintext is encrypted with a shift of 3 letters, the second with a shift of 19 letters, the third with a shift of 5 letters, and so on.Encrypt the plaintext send more money with the key stream 9 0 1 7 23 15 21 14 11 11 2 8 9**

**CODE:**

**def vigenere\_otp\_encrypt(plaintext, key\_stream):**

**ciphertext = ""**

**key\_index = 0**

**for char in plaintext:**

**shift = key\_stream[key\_index]**

**if char.isalpha():**

**if char.isupper():**

**ciphertext += chr((ord(char) - 65 + shift) % 26 + 65)**

**else:**

**ciphertext += chr((ord(char) - 97 + shift) % 26 + 97)**

**key\_index = (key\_index + 1) % len(key\_stream)**

**else:**

**ciphertext += char**

**return ciphertext**

**plaintext = "send more money"**

**key\_stream = [9, 0, 1, 7, 23, 15, 21, 14, 11, 11, 2, 8, 9]**

**ciphertext = vigenere\_otp\_encrypt(plaintext, key\_stream)**

**print(ciphertext)**

**OUTPUT:**



