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# Python code to implement
# Vigenere Cipher
# This function generates the
# key in a cyclic manner until
# it's length isn't equal to
# the length of original text
def generateKey(string, key):
       key = list(key)
       if len(string) == len(key):
               return(key)
       else:
               for i in range(len(string) -
                                       len(key)):
                       key.append(key[i % len(key)])
       return("" . join(key))
# This function returns the
# encrypted text generated
# with the help of the key
def cipherText(string, key):
       cipher_text = []
       for i in range(len(string)):
               x = (ord(string[i]) +
                       ord(key[i])) % 26
               x += ord('A')
               cipher_text.append(chr(x))
       return("" . join(cipher_text))
# This function decrypts the
# encrypted text and returns
# the original text
def originalText(cipher_text, key):
       orig_text = []
       for i in range(len(cipher_text)):
               x = (ord(cipher_text[i]) -
                       ord(key[i]) + 26) % 26
               x += ord('A')
               orig_text.append(chr(x))
       return("" . join(orig text))
# Driver code
if __name__ == "__main__":
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This code is contributed # by Pratik Somwanshi