

```
1 def encrypt(key, msg):
2     encryped = []
3     for i, c in enumerate(msg):
4         key_c = ord(key[i % len(key)])
5         msg_c = ord(c)
6         encryped.append(chr((msg_c + key_c) % 127))
7     return ''.join(encryped)
8
9 def decrypt(key, encryped):
10    msg = []
11    for i, c in enumerate(encryped):
12        key_c = ord(key[i % len(key)])
13        enc_c = ord(c)
14        msg.append(chr((enc_c - key_c) % 127))
15    return ''.join(msg)
16
17 if __name__ == '__main__':
18     key = 'This_is_my_awsome_secret_key'
19     msg = 'Hello world'
20     encrypted = encrypt(key, msg)
21     decrypted = decrypt(key, encrypted)
22
23     print 'Message:', repr(msg)
24     print 'Key:', repr(key)
25     print 'Encrypted:', repr(encrypted)
26     print 'Decrypted:', repr(decrypted)
```

