

```

#Coder
lowLimit = ord('A')
highLimit = ord('z')
codeShift = 7
codeText = ""

plainText = input ("Please enter as line of text:")

idx = 0
while (idx < len(plainText)) :
    letter = plainText[idx]
    idx = idx + 1
    code = ord(letter)
    if ((code >= lowLimit) and (code <= highLimit)) :
        code = code + codeShift
        if (code > highLimit) :
            code = code - highLimit + lowLimit
        newLetter = chr(code)
        codeText = codeText + newLetter

print ("The coded text is: " + codeText)

```

```

#Decoder
lowLimit = ord('A')
highLimit = ord('z')
codeShift = -7
codeText = ""

plainText = input ("Please enter coded text:")

idx = 0
while (idx < len(plainText)) :
    letter = plainText[idx]
    idx = idx + 1
    code = ord(letter)
    if ((code >= lowLimit) and (code <= highLimit)) :

```

```
code = code + codeShift
if (code > highLimit) :
    code = code - highLimit + lowLimit
newLetter = chr(code)
codeText = codeText + newLetter

print ("The message is: " + codeText)
```