*' uses same alphabet and key as Ada language example*
**Const** string1 = "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz"
**Const** string2 = "VsciBjedgrzyHalvXZKtUPumGfIwJxqOCFRApnDhQWobLkESYMTN"

**Sub** process**(**inputFile **As** **String**, outputFile **As** **String**, encrypt **As** Boolean**)**
 **Open** inputFile **For** **Input** **As** ***#1***
 **If** **err** > **0** **Then**
 **Print** "Unable to open input file"
 **Sleep**
 **End**
 **End** **If**
 **Dim** **As** **String** alpha, key
 **If** encrypt **Then**
 alpha = string1 : key = string2
 **Else**
 alpha = string2 : key = string1
 **End** **If**
 **Open** outputFile **For** **Output** **As** ***#2***
 **Dim** s **As** **String**
 **Dim** p **As** **Integer**
 **While** **Not** **Eof(1)**
 **Line** **Input** ***#1, s***
 **For** i **As** **Integer** = **0** **To** **Len(**s**)** - **1**
 **If** **(**s**[**i**]** >= **65** AndAlso s**[**i**]** <= **90)** OrElse **(**s**[**i**]** >= **97** AndAlso s**[**i**]** <= **122)** **Then**
 p = **Instr(**alpha, **Mid(**s, i + **1**, **1))** - **1**
 s**[**i**]** = key**[**p**]**
 **End** **If**
 **Next**
 **Print** ***#2, s***
 **Wend**
 **Close** ***#1 : Close #2***
**End** **Sub**

process "plain.txt", "encrypted.txt", **true**
process "encrypted.txt", "decrypted.txt", **false**
**Print**
**Print** "Press any key to quit"
**Sleep**