*' 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**