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| 5.1 Text Decoder |

Write a computer program that will correctly decrypt messages encrypted with the following encoder: In other words, device a function names decript(message) such that when you read-in a string S, and display decript(encrypt(S)) your result will be the original string S.

Function Encrypt(byval msg) as string

Dim nmsg as string

For I = 0 to msg.length – 1

Dim t as integer = asc(msg.substring(I,1))

Dim d as integer = (I\5)

Dim x as integer = I – d \* 5

Select case x

Case 0

Nmsg + = chr(255-t)

Case 1

Nmsg + = chr((t\64) \* 64 + (t-(t\4)\*4) \*16 + (t\4) - (t\64)\*16 )

Case 2

Nmsg + = chr(t\16 + (t-(t\16)\*16)\*16)

Case 3

Nmsg + = chr((t-(t\4)\*4) \*64 + t\4)

Case 4

Nmsg + = chr(t)

End Select

Return Nmsg

End function

**Input**

A text string named S.

**Output**

Output your decoded message from Encrypt(S). If your program works well the output should be S.