Coder / Decoder Program.

1. In this program, there is a Button and two Radio Buttons, and a label.
2. The string message is declared in the Public Class.
3. There is an If Then statement under the button.
4. The two radio buttons have a For Next loop with a select case statement embedded in them.
5. See if you can use the breakpoint and watch window to see how the loop operates. Be prepared to come to the front of the class and walk us through the program.

PublicClassForm1

DimmessageAsString

PrivateSubbtnEnterMessage\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesbtnEnterMessage**.**Click

message **=** InputBox**(**"Enter a message"**,** Me**.**Text**)**

Ifmessage **=** NothingThen'cancel selected or text box empty

Me**.**lblAnswer**.**Text **=** "You must enter a message in the text box. Try again."

EndIf

EndSub

PrivateSubradEncode\_Click**(**ByValsenderAsObject**,** ByValeAsSystem**.**EventArgs**)** HandlesradEncode**.**Click

Me**.**lblAnswer**.**Text **=** Nothing

DimlengthAsInteger **=** message**.**Length

DimunicodeAsInteger

DimcodedAsChar

ForindexAsInteger **=** 0Tolength **-** 1

unicode **=** AscW**(**message**.**Chars**(**index**))**

SelectCaseunicode

Case89**,** 90**,** 121**,** 122'convert Y to A, Z to B, y to a, z to b

unicode **-=** 24

Case32'leave space as a space

unicode **=** unicode

Case Else'add 2 to every other number

unicode **+=** 2

EndSelect

coded **=** ChrW**(**unicode**)**

Me**.**lblAnswer**.**Text **&=** coded

Nextindex

message **=** Me**.**lblAnswer**.**Text

EndSub

PrivateSubradDecode\_Click**(**ByValsenderAsObject**,** ByValeAsSystem**.**EventArgs**)** HandlesradDecode**.**Click

Me**.**lblAnswer**.**Text **=** Nothing

DimlengthAsInteger **=** message**.**Length

DimunicodeAsInteger

DimcodedAsChar

ForindexAsInteger **=** 0Tolength **-** 1

unicode **=** AscW**(**message**.**Chars**(**index**))**

SelectCaseunicode

Case65**,** 66**,** 97**,** 98'convert A to Y, B to Z, a to y, b to z

unicode **+=** 24

Case32'leave space as a space

unicode **=** unicode

Case Else'subtract 2 from every other number

unicode **-=** 2

EndSelect

coded **=** ChrW**(**unicode**)**

Me**.**lblAnswer**.**Text **&=** coded

Nextindex

message **=** Me**.**lblAnswer**.**Text

EndSub

PrivateSubradDecode\_CheckedChanged**(**ByValsenderAsObject**,** ByValeAsSystem**.**EventArgs**)** HandlesradDecode**.**CheckedChanged

Me**.**lblAnswer**.**Text **=** Nothing

EndSub

PrivateSubradEncode\_CheckedChanged**(**ByValsenderAsObject**,** ByValeAsSystem**.**EventArgs**)** HandlesradEncode**.**CheckedChanged

Me**.**lblAnswer**.**Text **=** Nothing

EndSub

EndClass