**PALINDROME**

1. A Palindrome is a word or phrase or sequence of words that reads the same forward as it does backward. Examples: Bob, Madam, Anna, Civic, Wow, Refer.
2. This program uses a button, a text box and a label.
3. There is a For Next Loop and a Select Case statement where the word is analyzed and decided if it is or is not a palindrome.
4. Use a breakpoint and watch window to see how the program works step by step.
5. Be prepared to come to the front of the room to explain your findings to the class.

PublicClassForm1

PrivateSubbtnCheckIfPalindrome\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesbtnCheckIfPalindrome**.**Click

DimtextAsString

DimnoSpacesAsString

DimreversedTextAsString **=** Nothing

text **=** Me**.**txtText**.**Text

noSpaces **=** text**.**Replace**(**" "**,** ""**)** 'remove spaces

'Reverse string

ForindexAsInteger **=** noSpaces**.**Length **-** 1To0Step **-**1

reversedText **&=** noSpaces**.**Chars**(**index**)**

Nextindex

'Determine if palidrome

SelectCaseString**.**Compare**(**noSpaces**,** reversedText**,** True**)**

Case0

Me**.**lblAnswer**.**Text **=** text **&** " is a palindrome."

Case Else

Me**.**lblAnswer**.**Text **=** text **&** " is not a palindrome."

EndSelect

EndSub

PrivateSubtxtText\_TextChanged**(**ByValsenderAsObject**,** ByValeAsSystem**.**EventArgs**)** HandlestxtText**.**TextChanged

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

EndSub

EndClass