PublicClassForm1

PrivateSubbtnGenerateNumbers\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesbtnGenerateNumbers**.**Click

Randomize**()**

DimlargestNumAsInteger

DimlargestNumTempAsString

Dimnum1**,** num2**,** num3AsInteger

DimcountAsInteger **=** 0

Do

largestNumTemp **=** InputBox**(**"Enter the largest number >= 3 to generate"**,** Me**.**Text**)**

largestNum **=** Val**(**largestNumTemp**)**

LoopWhilelargestNum **<** 3

'Generate random numbers

Do

num1 **=** Int**(**largestNum **\*** Rnd**() +** 1**)**

num2 **=** Int**(**largestNum **\*** Rnd**() +** 1**)**

num3 **=** Int**(**largestNum **\*** Rnd**() +** 1**)**

count **+=** 1

LoopWhile **(**num1 **=** num2Ornum2 **=** num3Ornum1 **=** num3**)**

Me**.**lblNumber1**.**Text **=** num1

Me**.**lblNumber2**.**Text **=** num2

Me**.**lblNumber3**.**Text **=** num3

Me**.**lblAnswer**.**Text **=** count

Me**.**lblExplanation**.**Text **=** "loop iterations were needed to generate three unique numbers."

EndSub

PrivateSublblExplanation\_Click**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandleslblExplanation**.**Click

EndSub

PrivateSubForm1\_Load**(**ByValsenderAsSystem**.**Object**,** ByValeAsSystem**.**EventArgs**)** HandlesMyBase**.**Load

EndSub

EndClass