'Invoke overriden method(of abstract class) using BSAE CLASS REFERENCE

'Q. Create an abstract class shape and also create the circle ,rectangle hierarchy.Area method should be abstract

' method in shape class.this method shuld be overridden by derived classes in the hierarchy.Using base class reference,

' invoke the area method and display area of different figures

Module Abstractwithareaofcircleandrectangle

MustInherit Class shape

Public MustOverride Function area()

End Class

Class circle

Inherits shape

Public Overrides Function area() As Object

Dim radious As Integer

Console.WriteLine("Enter the radious value:")

radious = Console.ReadLine()

Console.WriteLine("Area of circle is :" & (3.14 \* radious \* radious))

Return 1

End Function

End Class

Class rectangle

Inherits shape

Public Overrides Function area() As Object

Dim width, height As Integer

Console.WriteLine("Enter the Width value:")

width = Console.ReadLine()

Console.WriteLine("Enter the Height value:")

height = Console.ReadLine()

Console.WriteLine("Area of rectangle is :" & (width \* height))

Return 1

End Function

End Class

Public Sub DoFunctionInClass(obj As shape)

obj.area()

End Sub

Sub main()

Console.WriteLine("-----area of circle--------")

Dim c = New circle()

DoFunctionInClass(c)

Console.WriteLine("-----area of rectangle--------")

Dim r = New rectangle()

DoFunctionInClass(r)

End Sub

End Module