

```

' *****
' Surname, Initials: Kuni, D
' Student Number: 201320596
' Practical: P09
' Class name: iBottleStuff
' *****

```

```

Option Strict On
Option Explicit On
Option Infer Off
Public Interface iBottleStuff
    Property BottleCapacity As Double
    Function Popularity() As String
End Interface

```

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' *****
' Surname, Initials: Kuni, D
' Student Number: 201320596
' Practical: P09
' Class name: cBooty_Not_Nicky_Minaj_Anacanda_
' *****

```

```

Option Strict On
Option Explicit On
Option Infer Off
<Serializable> Public Class cBooty_Not_Nicky_Minaj_Anacanda_
    Inherits PillagedGood
    Private _Value As Double
    Public Sub New(name As String)
        Me._name = name
    End Sub
#Region "Methods"
    Public Property Value As Double 'In Gold Coins
        Get
            Return _Value
        End Get
        Set(value As Double)
            Me._Value = value
        End Set
    End Property
    Public Shared Function CalcExchangedVal(ByVal ExchangeRate As Double, ByVal Value As Double) As Double
        Return Value * ExchangeRate
    End Function
#End Region
End Class

```

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' *****
' Surname, Initials: Kuni, D
' Student Number: 201320596
' Practical: P09
' Class name: cGrog
' *****

```

```

Option Strict On

```

```

Option Explicit On
Option Infer Off
<Serializable> Public Class cGrog
    Inherits PillagedGood
    Implements iBottleStuff
#Region "Variables "
    Protected _BottleCapacity As Double
    Private _AlcoholContent As Double
#End Region
#Region "Properties"
    Public Property BottleCapacity As Double Implements iBottleStuff.BottleCapacity
        Get
            Return _BottleCapacity
        End Get
        Set(value As Double)
            If value > 0 Then
                _BottleCapacity = value
            End If
        End Set
    End Property
    Public Property AlcoholContent As Double
        Get
            Return _AlcoholContent
        End Get
        Set(value As Double)
            If value >= 0 Then
                _AlcoholContent = value
            End If
        End Set
    End Property
#End Region
#Region "Methods"
    Public Function Popularity() As String Implements iBottleStuff.Popularity
        Select Case _AlcoholContent
            Case Is > 70
                Return "A"
            Case Is > 50
                Return "B"
            Case Is > 40
                Return "C"
        End Select
    End Function
    Public Sub New(name As String)
        Me._name = name
    End Sub
#End Region
End Class

```

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' *****
' Surname, Initials: Kuni, D
' Student Number: 201320596
' Practical: P09
' Class name: cRum
' *****

```

```

Option Strict On

```

```

Option Explicit On
Option Infer Off
<Serializable> Public Class cRum
    Inherits PillagedGood
    Implements iBottleStuff
#Region "Variables "
    Private _Vintage As String
    Private _AmountLeft As Double
    Protected _BottleCapacity As Double
#End Region
#Region "Properties"
    Public Property BottleCapacity As Double Implements iBottleStuff.BottleCapacity
        Get
            Return _BottleCapacity
        End Get
        Set(value As Double)
            If value > 0 Then
                _BottleCapacity = value
            End If
        End Set
    End Property
    Public ReadOnly Property Vintage As String
        Get
            Return _Vintage
        End Get
    End Property

    Public Property AmountLeft As Double
        Get
            Return _AmountLeft
        End Get
        Set(value As Double)
            If value >= 0 And value <= 100 Then
                _AmountLeft = value
            End If
        End Set
    End Property
#End Region
#Region "methods"
    Public Function Popularity() As String Implements iBottleStuff.Popularity
        Select Case _AmountLeft
            Case 0 To 10
                Return "A"
            Case 60 To 100
                Return "C"
            Case Is > 10
                Return "B"
        End Select
    End Function
    Public Sub New(Name As String, Vintage As String)
        Me._name = Name
        _Vintage = Vintage
    End Sub
#End Region
End Class

```

```

' *****
' Surname, Initials: Kuni, D
' Student Number: 201320596
' Practical: P09
' Class name: GrogAlcoholException
' *****
Option Strict On
Option Explicit On
Option Infer Off
Public Class GrogAlcoholException
    Inherits Exception
    Public Sub New()
        MyBase.New("Hey!! that Grog's alcohol content is less then 30, enter the record
again")
    End Sub
End Class

```

```

' *****
' Surname, Initials: Kuni, D
' Student Number: 201320596
' Practical: P09
' Class name: NegativeException
' *****
Option Strict On
Option Explicit On
Option Infer Off
Public Class NegativeException 'exception for negative values and Zero values among
anything
    Inherits Exception
    Public Sub New(NameOfProblemArea As String)
        MyBase.New("The Value you have entered for " + NameOfProblemArea + " was negative
or less the and equal to zero , Please try again")
    End Sub
End Class

```

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' *****
' Surname, Initials: Kuni, D
' Student Number: 201320596
' Practical: P09
' Class name: PillagedGood
' *****
Option Strict On
Option Explicit On
Option Infer Off
<Serializable> Public Class PillagedGood
    Protected _name As String
    Public ReadOnly Property Name As String
        Get
            Return Me._name
        End Get
    End Property
End Class

```

