**Exercise 8: Create a program to understand the uses of User-Defined Exceptions in VB.NET Exception Handling.**

**Solution:**

Module User\_Exception

Public Class StudentIsZeroException : Inherits Exception

Public Sub New(ByVal stdetails As String)

MyBase.New(stdetails)

End Sub

End Class

Public Class StudentManagement

Dim stud As Integer = 0

Sub ShowDetail()

If (stud = 0) Then

Throw (New StudentIsZeroException(" Student roll no 'zero' does not exist"))

Else

Console.WriteLine(" Student is {0}", stud)

End If

End Sub

End Class

Sub Main()

Dim stdmg As StudentManagement = New StudentManagement()

Try

stdmg.ShowDetail()

Catch ex As StudentIsZeroException

Console.WriteLine(" StudentIsZeroException {0}", ex.message)

End Try

Console.ReadKey()

End Sub

End Module