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# **Roll No: 210451**

Practical No: 19

1. **Implement a Program for inheritance where Student is Child class and faculty is Base class.(Take Appropriate variables in Base and child class)**

**CODE:**

Public Class Faculty

Public Property Name As String

Public Property ID As Integer

Public Property Department As String

Public Sub New(name As String, id As Integer, department As String)

Me.Name = name

Me.ID = id

Me.Department = department

End Sub

Public Sub DisplayDetails()

Console.WriteLine("Name: " & Me.Name)

Console.WriteLine("ID: " & Me.ID)

Console.WriteLine("Department: " & Me.Department)

End Sub

End Class

Public Class Student

Inherits Faculty

Public Property Batch As String

Public Property Semester As Integer

Public Sub New(name As String, id As Integer, department As String, batch As String, semester As Integer)

MyBase.New(name, id, department)

Me.Batch = batch

Me.Semester = semester

End Sub

Public Sub DisplayDetails()

MyBase.DisplayDetails()

Console.WriteLine("Batch: " & Me.Batch)

Console.WriteLine("Semester: " & Me.Semester)

End Sub

End Class

Module Module1

Sub Main()

Dim faculty As New Faculty("John Cena", 1001, "Computer Science")

faculty.DisplayDetails()

Dim student As New Student("Rey Mysterio", 2001, "Computer Science", "2022", 4)

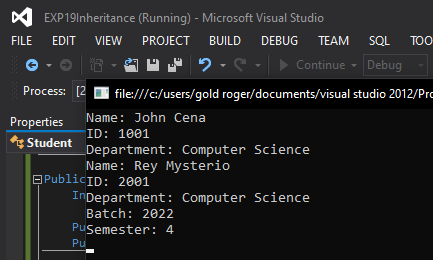
student.DisplayDetails()

Console.ReadLine()

End Sub

End Module

**OUTPUT:**

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