

# Lab Two Instructions

## Objective

The purpose of this lab is to practice creating classes in C# using the object initialization techniques we looked at this week.

## Details

- i. Create a Visual Studio C# Console project named **COMP3602Lab02**.
- ii. Write a class named `Member` in a *separate* source (.cs) file with the following:

Three Property Methods named `FirstName`, `LastName` and `Age` (use appropriate data types)

A Calculated Property Method named `AgeInDecades` (use an appropriate data type and calculation)

Override the `ToString` method to return `Firstname LastName`. Use a composite string rather than the `+` operator to concatenate the properties.

- iii. In the `Main` method in the `Program` class do the following:

Instantiate five `Member` objects using the *Object Initializer* syntax and add them to an array.

Using a loop, iterate through the array and emulate the output shown in the screen shot below: (use composite strings)

Place the output (UI) code in a utility method in a dedicated class (in a separate source file)

FirstName	LastName	AgeYears	AgeDecades
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Tim	Conway	61	6.1
Larry	Sanders	60	6.0
Howard	Stern	58	5.8
Steven	Wright	56	5.6
Lewis	Black	64	6.4

Please Hand In:

- 1) Zip your entire project and submit the zipped file to Lab02 in the Learning Hub.
- 2) Lab is due on the day before next week's class @ 11:59 pm.
- 3) Lab solution code will be available under Weel02\In Class once you have submitted.