

C# Assignment – Day 1

Create a list of members in the class with the following information:

- First Name
- Last Name
- Gender
- Date Of Birth
- Phone Number
- Birthplace
- Age
- Is Graduated (Yes/No)

From the list above, write a console application to write the following requirements to the screen:

1. Return a list of members who is Male
2. Return the oldest one based on “Age” (if return more than one record then select first record)
 - If you can get age from Date Of Birth to compare then it would be better.
3. Return a new list that contains Full Name only (Full Name = Last Name + First Name)
4. Return 3 lists:
 - List of members who has birth year is 2000
 - List of members who has birth year greater than 2000
 - List of members who has birth year less than 2000
5. Return the first person who was born in Ha Noi.

Objectives:

- Members in class could know more each other.
- Trainees should have understanding about concepts:
 - **Console Application**
 - **Class** to create “Member” class
 - **List** to store and add members to
 - **Foreach/For** to loop records in list
 - **IF/ELSE** to select Male members
 - **SWITCH/CASE** to return 3 lists (#4)
 - **WHILE (TRUE)** to return first person who was born in Ha Noi (#5)

C# Assignment – Day 2

1. Same assignment with Day 1 but using LINQ
2. Write an application that returns prime numbers for a range (e.g. from 0 to 100) using Asynchronous programming.

Overall requirements:

- Using GitHub to store the answer