*/\**

*\*Date: 12th Dec, 2024*

*\* Name: Ean Bynoe*

*\* Student #: 301390261*

*\* This program asks for the Last name of the user and their birth year*

*\* It then calls  a method with a passed parameter to ask for the first name and then concatenates the first and last name*

*\* It then calls another method with a passed parameter to check if the birth year is a leap year and if it is an even or odd year*

*\*/*

*//Variables (Initialization):*

Console.*Write*("Enter your Last Name: ");

*string* Bynoe = Console.*ReadLine*();

Console.*Write*("Enter your Birth year: ");

*int* iBYBynoe = Convert.*ToInt32*(Console.*ReadLine*());

*bool* leapYear = *false*;

*bool* evenOddYear = *false*;

*//Description: Calling methods:*

*EanBynoeMethod1*(Bynoe);

*BynoeEanMethod2*(iBYBynoe, *out* leapYear, *out* evenOddYear);

*//Description: Checking if birth year is a leap year and if it is even or odd*

*if* (leapYear)

    Console.*WriteLine*("Your birth year is a leap year");

*else*

    Console.*WriteLine*("Your birth year is not a leap year");

*if* (evenOddYear)

    Console.*WriteLine*("Your birth year is an even year");

*else*

    Console.*WriteLine*("Your birth year is an odd year");

*return* 0;

*void* *EanBynoeMethod1*(*string* Bynoe)

{

    Console.*Write*("Enter your First Name: ");

*string* firstName = Console.*ReadLine*();

    Bynoe = firstName + " " + Bynoe;

    Console.*WriteLine*("Your full name is: " + Bynoe);

}

*void* *BynoeEanMethod2*(*int* iBYBynoe, *out* *bool* leapYear, *out* *bool* evenOddYear)

{

*if* (iBYBynoe % 2 == 0)

        evenOddYear = *true*;

*else*

        evenOddYear = *false*;

*if* (iBYBynoe % 4 == 0)

        leapYear = *true*;

*else*

        leapYear = *false*;

}

A screenshot of a computer

Description automatically generated