**Part 1**

1. First create a VB Console Project (.NET Framework) to set up the lab.
2. Use Microsoft Access to create a new database. Save the database in the correct location of your VB project.
3. In the database, create a new table called Cars.
4. In the Cars table, make the first column a primary key and its data type as auto number (should be set that way by default). Name the column CarID.
5. In the Cars table, create new columns:  
   Make (text)  
   Model (text)  
   CarYear (Number)

In your VB.NET project, write queries that perform the following tasks:

1. Insert the following records:

|  |  |  |
| --- | --- | --- |
| **Make** | **Model** | **CarYear** |
| Chevrolet | Corvette | 2015 |
| Ford | Mustang | 2019 |
| Dodge | Viper | 2001 |
| Pontiac | Firebird | 1998 |
| Tesla | Model S | 2022 |
| Chrysler | 300 | 2024 |
| Chevrolet | Camaro | 2002 |
| Ford | GT3 | 2020 |
| Dodge | Challenger | 2019 |
| Pontiac | GTO | 2005 |
| Tesla | Roadster | 2026 |
| Dodge | Charger | 2025 |
| Chevrolet | Camaro | 2023 |
| Ford | Ranger | 2005 |
| Jeep | Wagoneer | 2023 |

1. Delete cars that have a year of 2010 or earlier.
2. Update cars whose Make is Pontiac and change the make to GM.
3. Display all the cars and their data.

**Part 2**

1. Download the Lab7p2 database, saving it in the correct location of your VB project
2. Query the Students table to find all students (by their StudentID) who have a GPA of 2.5 or better. Add these IDs to a List of integers. Loop through the list and display the IDs.
3. Delete all students who have a GPA of 1.5 or lower.
4. Update all student records that have a GPA of 3.5 or higher: In the “DeansList” column, set the value to 1 (this will represent “true” like a Boolean)
5. Display all students (first and last name) that are on the dean’s list (DeansList column is equal to 1).
6. Ask the user for a GPA (double) and display all students (first and last name) who meet or exceed the provided GPA.