Homework 1

****

Submission Rules;
- Please create one project for each question.
- You should follow the java conventions with class and variable names.
- Your project names should contain your name and last name.
  E.g.
  AhmetDemirelliCS310Homework1Q1
- **AhmetDemirelliCS310Homework1Q2**
- You cannot use Turkish characters in your file names or variable names

****

1. JDBC Project   (50 Points)

   *** Please examine, execute and understand the example **Week3Day2** before you start.
   *** All the database operations should be done by using JDBC API

   Write a simple class (E.g. : AhmetJDBCManager) and put the following **static** methods in it.
   - **readFromFile (String filename)** → This method will read, split and extract the country information from given file and put into an ArrayList
     (ArrayList<Country>)   (10 Points)

   - **writeIntoTable (ArrayList<Country> countries)** → This method will write the given list of countries into a database table.   (10 Points)

   - **getCountryByID (int countryID)** → This method will get the information of given country id and return as a country object.   (10 Points)

   - **deleteCountryByID (int countryID)** → This method will delete the country information (row) of given ID from database.   (10 Points)

   - **updateCountryPopulationByID (int countryID, int population)** → This method will update the population of given country ID.   (10 Points)

2. JPA Project   (50 Points)

   *** Please examine, execute and understand the examples **Week4Day1 and Week4Day2** before you start.
   *** All the database operations should be done by using JPA

   Write a simple class (E.g. : AhmetJPAManager) and put the same **static** methods as you did in Project1 but this time all the methods should use **JPA** for all DB access.