# DBAS 4002 – Practice Queries – Outer Joins and Sets

**Required Databases:**

* Chinook
* AdventureWorks
* NumbersDB (Needs to be installed, see script on D2L)

**Instructions:**

Write SELECT statements to gather data results to answer the following questions:

1. **(Chinook DB)** Create a query that lists the id and name of all tracks that have not yet been purchased at least once. Sort the results by track name in alphabetical order.
2. **(Chinook DB)** Create a query that lists the id and name of all playlists that do not have any tracks assigned to them. Alias the columns appropriately.
3. **(Numbers db)** Using the Multiples\_Of\_Two and Multiples\_Of\_Three tables, show the results of a query that only displays numbers that have a matching value in the other table. Here’s the catch: You are not permitted to use a WHERE clause or joins for this query.
4. **(Chinook db)** Create a query to find a list of all employees that have never served as a rep for any customers. Both the employee’s first and last names should only be displayed in a single field named “Employee Name”, and include the employee’s job title in your results.
5. **(Multiple DBs)** Create a query to gather a list of all first & last names and the country of residence **of** people living in either Canada or France, from the Customer and Employee tables in Chinook and the Person.Person and Person.CountryRegion tables in AdventureWorks.

**Note 1:** AdventureWorks uses an advanced table relations scheme. Part of this question is figuring out the relationships between the (hint: 5!) tables to be joined to get the proper data.

**Note 2:** When you get near the end of this query solution, you may get a collation error, depending on your PC settings. To resolve, use something like the following in your select list of the AdventureWorks part:

Person.Person.LastName COLLATE DATABASE\_DEFAULT , Person.Person.FirstName COLLATE DATABASE\_DEFAULT , Person.CountryRegion.Name COLLATE DATABASE\_DEFAULT

**Note 3:** This should have 3404 records returned when correctly completed.