# Language Integrated Query (LINQ)

The objective of this exercise is to give you a wide view of the capabilities of Language Integrated Query (LINQ).

# Exercise 1 – Writing LINQ Queries

### Task 1 – Open the Solution

1. Open **LINQ_Solution.sln**

2. Open the **LINQ_Unit_Tests.cs** file and read the instructions at the top of the file.

3. Each test shows an imperative way of solving a problem. At the end of each test are clues as to how you might get started solving the same problem with LINQ. Have a go solving the problem with LINQ.

4. After writing the LINQ equivalent code, run each unit test by right-clicking within the unit test and choosing Run Tests. Ensure each test still passes.

5. As you progress, do a visual comparison of how much briefer the declarative LINQ solutions are compared to the provided non-LINQ solutions.