**Example:**

**Contains one assembly that represents a third party library (just pretend). The other is a sample that uses that library.**

**Basically it pulls author records from a database and hashes the author’s name.**

**SkinCatOne**: Example of two ways of adding a value to a string that has none.

**How could you improve the code?**

Answer: replace special string with a const/static value.

**SkinCatTwo**: Example of different ways to concat strings.

**Which way should you avoid and why?**

**AddStuffToStringFour** uses the + operator for concatenation. Requires runtime to create and destroy strings multiple times. Other versions are better optimized for creating strings.

**AuthorRepositoryOne :** Example of using Dapper to extract data from database

**What is wrong with this class?**

Possible SQL Injection in Find method (show **AuthorRepositoryTwo**)

**AuthorHashHelperOne:** Example implementation of a class that retrieves an author from the database and hashes the name.

**What potential issue do you see here?** Repository implementation is hard-coded. Rely on underlying repository implementation to be in place for testing. Better way would be to create an interface and wrap the third party repository implementation for testing.