1. Create a simple recipe database.

The database will have three tables.

* Ingredients
* Recipes
* Recipe\_ingredients.

The ingredients table will store information about individual ingredients - name and calories.

The recipes table will store actual recipes. Each recipe will have a name, a description, and instructions.

The recipe\_ingredients table will store the mapping of ingredients that make up a particular recipe to the recipe. (We will ignore the issue of how large a “measure” of a particular ingredient is needed to keep things simple). Think the recipe table to be like the Order table and the recipe\_ingredients table like the OrderItem.

Write the sql to generate these tables. Include primary keys and foreign keys as appropriate. If a recipe is deleted – all entries for that recipe in the recipe\_ingredients table should be automatically deleted as well.

Write a procedure that can be called to get (out param) the total calories of a particular recipe (in param).

Or as a function

1. From C# get a list of recipe names and total calories for each recipe.