# Overview

The purpose of this particular practice set is to provide the individual with the building blocks with which future practice sets will utilize.

# Resources

* [Synergy DBL Language Reference](https://www.synergex.com/docs/index.htm)
* [Synergy Best Practices - Coding Standards](http://jobfunc2.cu.net/Job%20Functions/Programmer/Programmer%20Handbook/Tims%20Best%20Practices%20-%20Standards/Synergy%20Best%20Practices%20-%20Coding%20Standards.docx)
* [Traditional Synergy in Visual Studio - CU Wiki](http://echo.cu.net/cuwiki/Traditional_Synergy_in_Visual_Studio)
* [Traditional Synergy in Visual Studio Common Terminology - CU Wiki](http://echo.cu.net/cuwiki/Traditional_Synergy_in_Visual_Studio_Common_Terminology)
* [Debugging (TSVS) - CU Wiki](http://echo.cu.net/cuwiki/Debugging_(TSVS))

# Exercise

To complete this exercise you should complete the following steps, in the order shown:

1. Using Visual Studio, open the previously created “Demo” project.
2. Using Visual Studio create a new file definition layout file “**Employee.def**” with the following fields:

**Employee File:**

Employee I.D. - Decimal field with a length of 4.

First name - Alphanumeric field with a length of 15.

Last name - Alphanumeric field with a length of 15.

Gender - Decimal field with a length of 1.

Department - Decimal field with a length of 2.

Payment type - Decimal field with a length of 1.

Annual salary - Decimal field with a length of 6.

Hourly rate - Decimal field with a length of 4.

Office E-mail address - Alphanumeric field with a length of 25.

Telephone extension - Decimal field with a length of 4.

Date employed - Decimal field with a length of 8.

Job title - Alphanumeric field with a length of 25.

Location - Decimal field with a length of 2.

Employee address - Alphanumeric field with a length of 25.

Employee city - Alphanumeric field with a length of 20.

Employee state - Alphanumeric field with a length of 2.

Employee zip code - Decimal field with a length of 9.

Employee phone number (home) - Decimal field with a length of 10.

Employee E-mail address (home) - Alphanumeric field with a length of 25.

1. Modify your “**Demo.dbv**” source code to include the “**Employee.def**” record definition.
2. Compile, link, and run the application.

# Discussion

The changes that we have made in this exercise will not alter the operation of the program, which should continue to operate exactly as in the previous exercise.