# Program_02_3

## Requirements

Rewrite the investment program on **page 49 (7th edition)** and make the following changes.

- Add comments as has been done in previous tutorials
- Change A to a scalar value of 1000.
- Change n to a vector of years invested to produce the table shown in the output below
- Change variable names A, r, n, B to descriptive names
- Your output should match the output shown below.

## Program

In the code block below, create your program, editing the existing text as necessary.

**Tip:** Use the **format** command to format all numbers as two decimal places. Refer to the textbook to learn more. But, don't forget to restore the output to the default format by including the command: **format**.

**Note:** If you are using Octave then you will need to create a separate script file, save that separate file as the name **Program_02_03**. It will not conflict with this file of the same name since the extension will be different.

```
% Filename:
% Author:
% Assisted by:
% Date:

% Program Description:


% Clear the command window and all variables


% Output of the title and author to the command window.


% Main program
```

## Output

Output for Program_02_3 written by Geoff Berl.

Final balances for the following investment parameters

Initial Investment = $1000.00

Annual Interest Rate = 0.09 percent

Annual Compounding

Years Invested    Final Balance($)
            0          1000.00
         5.00          1538.62
        10.00          2367.36
        15.00          3642.48
        20.00          5604.41
        25.00          8623.08
        30.00         13267.68
        35.00         20413.97
        40.00         31409.42
        45.00         48327.29
        50.00         74357.52