

Chapter 11 – Extra Practice

Extra Practice

Extra practice is for those who would like to do some extra practice projects to further hone their skills learned in each assignment. There are no additional points to be gained by completing these projects.

Future Value Logger

Create a program that creates a log file that stores the date and time as well as the data for each calculation of a program.

```
Future Value Calculator

Enter monthly investment:    100
Enter yearly interest rate:  3
Enter number of years:      10
Future value:                14,009.08

Continue? (y/n): y

Enter monthly investment:    100
Enter yearly interest rate:  3.5
Enter number of years:      10
Future value:                14,385.09

Continue? (y/n): y

Enter monthly investment:    150
Enter yearly interest rate:  3
Enter number of years:      10
Future value:                21,013.62

Continue? (y/n): n

Bye!
```

Specifications

- Each time the user calculates a future value, write a log file that includes the date/time and data for each calculation. For example, a log file for the calculations shown above would contain data like this:
2021-05-20 12:25:28 - 100.0|3.0|10|14009.08
2021-05-20 12:25:35 - 100.0|3.5|10|14385.09
2021-05-20 14:53:12 - 150.0|3.0|10|21013.62
- On the console, use commas to separate thousands for the future vales, but don't include these commas in the log file.
- Assume that the user will enter valid data.