

# Chapter 12 – 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.

## Game Stats

Create a program that allows you to view the statistics for a player of a game.

```
Game Stats program

ALL PLAYERS:
Elizabeth
Joel
Mike

Enter a player name: elizabeth
Wins: 41
Losses: 3
Ties: 22

Continue? (y/n): y

Enter a player name: john
There is no player named John.

Continue? (y/n): y

Enter a player name: joel
Wins: 32
Losses: 14
Ties: 17

Continue? (y/n): y

Enter a player name: mike
Wins: 8
Losses: 19
Ties: 11

Continue? (y/n): n

Bye!
```

## Specifications

- The program should use a dictionary or dictionaries to store the stats (wins, losses, and ties) for each player. You can code the dictionary of dictionaries at the beginning of the program using any names and statistics that you want. Make sure to provide stats for at least three players.
- The program should begin by displaying an alphabetical list of the names of the players.
- The program should allow the user to view the stats for the specified player.

## Monthly Sales

Create a program that allows you to view and edit the sales amounts for each month of the current year.

```
Monthly Sales program

COMMAND MENU
view   - View sales for specified month
edit   - Edit sales for specified month
totals - View sales summary for year
exit   - Exit program

Command: view
Three-letter Month: jan
Sales amount for Jan is 14,317.00.

Command: edit
Three-letter Month: jan
Sales Amount: 15293
Sales amount for Jan is 15,293.00.

Command: totals
Yearly total:      67,855.00
Monthly average:   5,654.58

Command: view
Three-letter Month: july
Invalid three-letter month.

Command: exit
Bye!
```

### Specifications

- You can find the text file named `monthly_sales.txt` that consists of rows that contain three-letter abbreviations for the month and the monthly sales.
- The program should read the file and store the sales data for each month in a dictionary with the month abbreviation as the key for each item.
- Whenever the sales data is edited, the program should write the changed data to the text file.