**CI251 Homework 4 Use dictionary**

**Due 3/5/2020 (Tuesday 4:00pm)**

**Send your Github link or Email to jzhang@eastwest.edu**

Program 1

**Page 487. Problem 8**

**Name and Email Addresses Write a program that keeps names and email addresses in a dictionary as key-value pairs. The program should display a menu that lets the user look up a person’s email address, add a new name and email address, change an existing email address, and delete an existing name and email address.**

Program 2. **Bonus ( 5 pts)**

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World Series Winners

In this chapter’s source code folder (available on the Computer Science Portal at www.pearsonhighered.com/gaddis), you will find a text file named WorldSeriesWinners.txt. This file contains a chronological list of the World Series’ winning teams from 1903 through 2009. The first line in the file is the name of the team that won in 1903, and the last line is the name of the team that won in 2009. (Note the World Series was not played in 1904 or 1994. There are entries in the file indicating this.) Write a program that reads this file and creates a dictionary in which the keys are the names of the teams, and each key’s associated value is the number of times the team has won the World Series. The program should also create a dictionary in which the keys are the years, and each key’s associated value is the name of the team that won that year. The program should prompt the user for a year in the range of 1903 through 2009. It should then display the name of the team that won the World Series that year, and the number of times that team has won the World Series.