Lecture 8 questions

(These exercises are taken from chapter 9 in Dierbach. Page 380.)

A1. Create a dictionary named "password_lookup" that contains usernames as keys (as string types), and passwords as associated string values. Make up data for five dictionary entries.

Print the contents of the dictionary.

A2. Write a Python program that enables the user to enter a new username and password to the "password_lookup" dictionary created in exercise A1.

A3. Write a Python program that starts with an empty dictionary called "password_lookup". Let the user enter a new username and password to the "password_lookup" dictionary one by one using a while loop. Let the user hit the Enter-key when done. Then print all key-value pairs in "password_lookup".

P1. Write a Python program that prompts the users for the average temperature for each day of the week. The program should add the temperature to the dictionary only if it does not already contain a temperature for that day. The program keeps asking until the dictionary contains average daily temperature for each day of a week.

P2. Implement a Python dictionary containing the average daily temperature of each day of a week and print out a list of the days in which the average temperature was between 20 and 25 degrees.

P4. Write a Python program that calculates the average temperature over the weekend (Saturday + Sunday) based on a dictionary containing daily temperatures of a week.