

Lecture 15 questions

(These exercises are relevant for chapter 8 in Dierbach)

A1. Make an empty dictionary called "phone_numbers". Make a while loop which asks for a name and phone number and exits if the user hits Enter instead of a name. Store the name and number in the dictionary. Print the dictionary contents.

A2. Make an empty dictionary called "phone_numbers". Make a while loop which asks for a name and phone number and exits if the user hits enter instead of a name. Store the name and number in the dictionary only if the name consists of letters and the number consists of digits. Print the dictionary contents.

A3. Make a function which prints all entries in "phone_numbers". If the number starts with 8, the digits should be replaced with * (i.e. instead of printing 89922454, print *****).

A4. A string variable is defined as line = 'This is my string, you see.' Split the string into two parts, which is stored in two new variables, one containing the string before the comma and one containing the string after the comma.

A5. Use the text file named "babynames2000s.txt". Read the file and separate the girl names and boy names, while converting all names to upper-case.

To split on the tab separator, split on '\t' .

Print the five first elements in the lists lists of names to see that your code works.

A6. Do the same as in A5 but store the names in sperate files named girlnames.txt and boynames.txt.

A7. (optional) Read the files and display lists of the girl names and boy names given to more than 150 000 babies.