

1. The text file EuropeByPop.txt that has the information about the European countries and their populations will be given. Each line of the file gives the name of a country and the population in millions (perhaps) of that country.

Write a program and using functions to:

- a. Read in the text file and create a dictionary from the content.
- b. Find the average population of Europe.
- c. Find the median population of Europe.
- d. Request the user to enter a country name and display the population of it. If the country is not found, display the error message.
- e. Display both the average and the median.

(Hints: The populations are already sorted in descending order; check your dictionary content and make sure you have the correct data type.)