Task 5-

Now you shall build a data structure for the Bergen elections using data harvested from files such as "stemmer2021.txt" that have been provided. Files for the elections in 2013, 2017, and 2021 have been included, but take into account that your programs should be able to handle comprehensive data from an arbitrary number of election years.

The data structure should be a ledger that encompasses one or several parliamentary elections where the election year is the key.

{2013: ..., 2017: ..., 2021: ...}

You determine the structure of the values ... which represent the political parties and the number of votes they have received in the various polling stations.

In upcoming tasks, this ledger will be used to retrieve information about elections and election results.

a) Create a function **lesValg** that, given a year and the file with validated data from that year, returns the election ledger. The function should also be able to build upon an existing election ledger when it is provided as an option to the function.

Example (The function **stemmerTotalt** returns the same total number of votes cast in the entire election, refer to task 6 below):

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b) Use **lesValg** from point a) to create an election ledger that includes the elections from 2013, 2017, and 2021. Place the result in a global variable called **valg**.

The rest of the tasks are based on the election ledger that is in the global variable called 'valg'. (In the examples, 'valg' contains data from 2013, 2017, and 2021.)

Task 6

Make a function that counts the total number of voters:

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Task7

Create a function that returns the number of votes for a specific party, in a specific district, in a specific year. The user should be able to choose between using the party-code or party-name, similarly for districts.

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Task 8

Create a function that returns a ledger(dictionary) with all the votes from a given district in a given year.

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Task9

Create a function that returns a ledger(dictionary) with the total number of votes for each party across all of Bergen in a given year.

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Task 10

Create a function that returns a ledger(dictionary) with the percentage distribution of the votes for a given year.

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Task 11

Create a function that prints out the changes in the percentage distribution among the parties from one year to another. Example: The Labour Party received 24.38 percent of the votes in 2017 and 23.65 percent in 2021. The change is a decline of 0.73 percentage points. (23.65 - 24.38 = -0.73)

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Task 12   
Create a function that asks the user to provide an election year and the name of a polling district and then prints out the name of each party, the number of votes they received, and the percentage of the votes in the district. The parties should be listed in alphabetical order.

OBS!! All blue boxes are showing what result what we should get from the codes we write!!

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Task 13

Create a function that prompts the user to provide an election year and the name of a party and then prints out the number of votes it received that year, the percentage of the votes, and the names of the districts where the party had the highest/lowest support among voters.

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