Implement TelephoneDirectory class (slides 18-21 in Ch 19 Dictionaries.pdf) that has a dictionary. In the constructor of TelephoneDirectory class, when creating a phoneBook, first use ArrayDictionary then use SortedArrayDictionary.

Implement Driver class that uses TelephoneDirectory (slides 14-17) to test all the functionalities of TelephoneDirectory.

Put breakpoint and try to understand all the code in ArrayDictionary and SortedArrayDictionary line by line.

A diagram of a dictionary

Description automatically generated