Using any of the three classifiers described in chapter 6 of Natural Language Processing with Python, and any features you can think of, build the best name gender classifier you can.

Begin by splitting the **Names** Corpus into **three subsets**: 500 words for the **test** set, 500 words for the **dev-test** set, and the remaining 6900 words for the **training** set. Then, starting with the example **name gender** classifier, make incremental improvements. Use **the dev-test set** to check your progress. Once you are satisfied with your classifier, check its final performance on the **test** set.

How does the performance on the **test** set compared to the performance on the **dev-test** set? Is this what you'd expect?

Source: Natural Language Processing with Python, exercise 6.10.2.