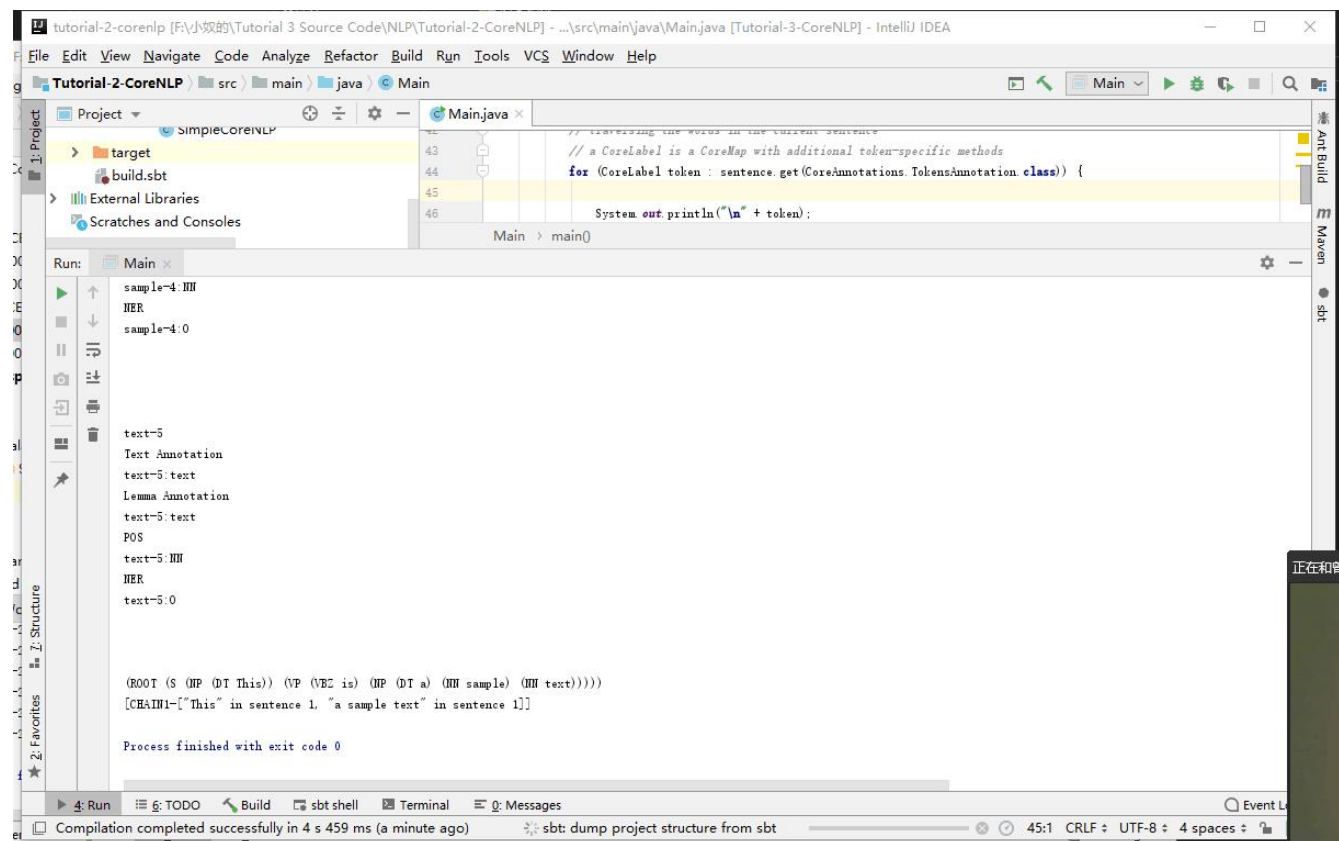


Lab1

Yue Zeng

We use the Flickr 8k dataset and the animal theme for the natural language progress and SIFT.

1.NLP



The screenshot shows the IntelliJ IDEA interface with a project named 'Tutorial-2-CoreNLP'. The 'Main.java' file is open, displaying a loop that iterates over tokens in a sentence. The code snippet visible is:

```
// traversing the words in the current sentence
// a CoreLabel is a CoreMap with additional token-specific methods
for (CoreLabel token : sentence.get(CoreAnnotations.TokensAnnotation.class)) {
    System.out.println("\n" + token);
}
```

The 'Run' console shows the output of the program, including sample sentences and their corresponding annotations:

```
sample-4: HN
HER
sample-4: 0

text-5
Text Annotation
text-5: text
Lemma Annotation
text-5: text
POS
text-5: HN
HER
text-5: 0

(ROOT (S (NP (DT This)) (VP (VBC is) (NP (DT a) (NN sample) (NN text)))))
[CHAIN1-["This" in sentence 1, "a sample text" in sentence 1]]

Process finished with exit code 0
```

The status bar at the bottom indicates that the compilation was successful in 4 s 459 ms.

2.SIFT Feature Extraction on cats images

