

```
## Lemmatization
```

```
import spacy
model = spacy.load("en_core_web_sm")
```

```
sample = model(u"I am winner for the day as i won the multiple events.")
```

```
for token in sample:
    print(token.text,token.lemma_)
```

```
☞ I I
   am be
   winner winner
   for for
   the the
   day day
   as as
   i I
   won win
   the the
   multiple multiple
   events event
   . .
```

```
## Stemming
```

```
from nltk.stem.snowball import SnowballStemmer
```

```
ss = SnowballStemmer(language = "english")
```

```
for word in sample:
    print("{}-> {}".format(word.text, ss.stem(word.text)))
```

```
I-> i
am-> am
winner-> winner
for-> for
the-> the
day-> day
as-> as
i-> i
won-> won
the-> the
multiple-> multipl
evnts-> evnt
.-> .
```