```
In [1]: import spacy
        nlp = spacy.load('en_core_web_sm')
```

```
In [2]: doc = nlp(u'Tesla is looking at buying U.S. startup for $6 million')
```

```
In [6]: for token in doc:
            print(token.text,token.pos_, token.dep_)
```

```
Tesla PROPN nsubj
is VERB aux
looking VERB ROOT
at ADP prep
buying VERB pcomp
U.S. PROPN compound
startup NOUN dobj
for ADP prep
$ SYM quantmod
6 NUM compound
million NUM pobj
```

```
In [7]: nlp.pipeline
```

```
Out[7]: [('tagger', <spacy.pipeline.pipes.Tagger at 0x1291f7450>),
         ('parser', <spacy.pipeline.pipes.DependencyParser at 0x12aa14fa0>),
         ('ner', <spacy.pipeline.pipes.EntityRecognizer at 0x12aba5050>)]
```

```
In [8]: nlp.pipe_names
```

```
Out[8]: ['tagger', 'parser', 'ner']
```

```
In [9]: doc2 = nlp(u"Tesla isn't looking into statups anymore.")
```

```
In [10]: for token in doc2:
             print(token.text,token.pos_, token.dep_)
```

```
Tesla PROPN nsubj
is VERB aux
n't ADV neg
looking VERB ROOT
into ADP prep
statups NOUN pobj
anymore ADV advmod
. PUNCT punct
```

```
In [11]: doc[0]
```

```
Out[11]: Tesla
```

```
In [12]: doc2[0]
```

```
Out[12]: Tesla
```

```
In [13]: doc2[0].pos_
```

```
Out[13]: 'PROPN'
```

In [14]:
```python
# Lemmas is the base form of the word
print(doc2[0].text)
print(doc2[0].lemma_)
```

```
Tesla
Tesla
```

In [16]:
```python
doc3 = nlp(u"NEW YORK (Reuters) - Oil prices fell on Tuesday,with U.S. crude futures down more than 3%, weighed by manufacturing data that raised concerns about a weakening global economy, while the U.S.-China trade dispute continued to drag on investor sentiment.")
```

In [17]:
```python
for token in doc3:
    print(token.text,token.pos_, token.dep_)
```

```
NEW PROPN amod
YORK PROPN ROOT
( PUNCT punct
Reuters PROPN appos
) PUNCT punct
- PUNCT punct
Oil NOUN compound
prices NOUN nsubj
fell VERB ROOT
on ADP prep
Tuesday PROPN pobj
, PUNCT punct
with ADP prep
U.S. PROPN nmod
crude NOUN amod
futures NOUN pobj
down ADP advmod
more ADJ amod
than ADP quantmod
3 NUM nummod
% NOUN npadvmod
, PUNCT punct
weighed VERB advcl
by ADP agent
manufacturing VERB compound
data NOUN pobj
that DET nsubj
raised VERB relcl
concerns NOUN dobj
about ADP prep
a DET det
weakening VERB amod
global ADJ amod
economy NOUN pobj
, PUNCT punct
while ADP mark
the DET det
U.S.-China PROPN compound
trade NOUN compound
dispute NOUN nsubj
continued VERB advcl
to PART aux
drag VERB xcomp
on PART prep
investor NOUN compound
sentiment NOUN pobj
. PUNCT punct
```

```
In [21]: news_quote1 = doc3[6:11]
```

```
In [22]: print(news_quote1)
```

```
Oil prices fell on Tuesday
```

```
In [23]: doc4 = nlp(u"This is the first sentence. This is the second sentence. This is the
         third sentence.")
```

```
In [24]: for sentence in doc4.sents:
             print(sentence)
```

```
This is the first sentence.
This is the second sentence.
This is the third sentence.
```

```
In [27]: doc4[6]
```

```
Out[27]: This
```

```
In [26]: doc4[6].is_sent_start
```

```
Out[26]: True
```

```
In [ ]:
```