

```
import spacy
nlp = spacy.load('en_core_web_sm')
```

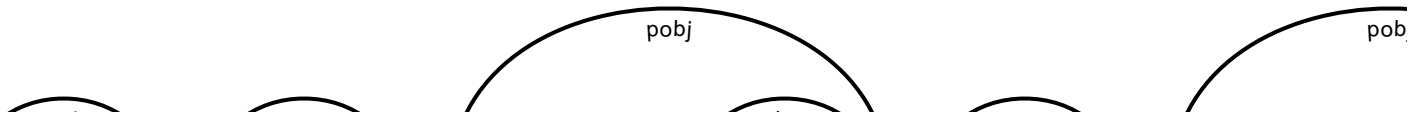
```
doc = 'Cat sat on a mat in the garden'
doc = nlp(doc)
```

```
print(f"{'Token':{8}} {'dependence':{6}} {'head text':{9}} {'Dependency explained'} ")
for token in doc:
    print(f"{'token.text':{8}} {'token.dep_':{6}} =>{'':{10}} {'token.head.text':{9}} {'spacy.explain(token.dep_)} ")
```

Token	dependence	head text	Dependency explained
Cat	nsubj =>	sat	nominal subject
sat	ROOT =>	sat	None
on	prep =>	sat	prepositional modifier
a	det =>	mat	determiner
mat	pobj =>	on	object of preposition
in	prep =>	mat	prepositional modifier
the	det =>	garden	determiner
garden	pobj =>	in	object of preposition

```
from spacy import displacy
```

```
nlp=spacy.load('en_core_web_sm')
displacy.render(doc,style='dep',jupyter=True,options={'distance': 120})
```



```
doc2 = 'Cows are grazing at a meadow near the river bank'
doc2 = nlp(doc2)
print(f"{'Token':{8}} {'dependence':{6}} {'head text':{9}} {'Dependency explained'} ")
for token in doc2:
    print(f"{'token.text':{8}} {'token.dep_+' =>':{10}} {'token.head.text':{9}} {'spacy.explain(token.dep_)} ")
```

Token	dependence	head text	Dependency explained
Cows	nsubj =>	grazing	nominal subject
are	aux =>	grazing	auxiliary
grazing	ROOT =>	grazing	None
at	prep =>	grazing	prepositional modifier
a	det =>	meadow	determiner
meadow	pobj =>	at	object of preposition
near	prep =>	meadow	prepositional modifier
the	det =>	bank	determiner
river	compound =>	bank	compound
bank	pobj =>	near	object of preposition

```
nlp=spacy.load('en_core_web_sm')
displacy.render(doc2,style='dep',jupyter=True,options={'distance': 120})
```

