

Named Entity Recognition

```
[42] import spacy
#spaCy can identify and classify named entities in text, such as names of people, organizations, locations, dates, etc
#spaCy is a popular natural language processing library that allows you to perform various tasks such as tokenization, part-of-speech tagging,
#named entity recognition, and more.
```

`.load("en_core_web_sm")`: This part of the code loads a specific spaCy model. In this case, you're loading the "en_core_web_sm" model, which is the small English model that spaCy provides. This model is a relatively compact version of the English language model and is suitable for many common NLP tasks while being computationally efficient.

```
[5] nlp = spacy.load("en_core_web_sm")
```

```
[6] nlp.pipe_names
```

```
['tok2vec', 'tagger', 'parser', 'attribute_ruler', 'lemmatizer', 'ner']
```

```
[41] doc = nlp("""We are pleased to offer you the position of Software Engineer.
Enclosing offer letter with the date of joining as 04 July 24.
Please share the below mentioned document:
Signed & Scan copy of Livlong Inc offer letter
In the meantime, please feel free to contact me via email or phone , should you have any questions.
We are all looking forward to having you on our team.
Thanks and Regards,
Amrita Kaushik""")

for token in doc.ents:
    print(token.text, "|", token.label_, "|", spacy.explain(token.label_))
```

```
Software Engineer | ORG | Companies, agencies, institutions, etc.
04 July 24 | DATE | Absolute or relative dates or periods
Livlong Inc | ORG | Companies, agencies, institutions, etc.
Regards | ORG | Companies, agencies, institutions, etc.
Amrita Kaushik | PERSON | People, including fictional
```

```
from spacy import displacy
```

```
displacy.render(doc, style = "ent", jupyter=True)
```

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Thanks and **Regards ORG** ,

Amrita Kaushik PERSON
