

##Assignment No.06##

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##Roll No: 16

#Batch: B1

#Title: Assignment Based on Dependency

```
import spacy
```

```
nlp = spacy.load("en_core_web_sm")
```

piano\_text = "Push back the result of the evaluation. Repeat it till the end of the expression. Checkout examples that are mention below in table "

```
piano_doc = nlp(piano_text)
```

```
for token in piano_doc:
```

```
    print( f"""
```

```
TOKEN: {token.text}
```

```
{token.tag_ = }
```

```
{token.head.text = }
```

```
{token.dep_ = } """
```

```
    )
```

```
"""
```

OUTPUT:

TOKEN: Push

token.tag\_ = 'VB'

token.head.text = 'Push'

token.dep\_ = 'ROOT'

TOKEN: back

token.tag\_ = 'RB'

token.head.text = 'Push'

token.dep\_ = 'advmod'

TOKEN: the

token.tag\_ = 'DT'

token.head.text = 'result'

token.dep\_ = 'det'

TOKEN: result

token.tag\_ = 'NN'  
token.head.text = 'Push'  
token.dep\_ = 'dobj'

TOKEN: of  
token.tag\_ = 'IN'  
token.head.text = 'result'  
token.dep\_ = 'prep'

TOKEN: the  
token.tag\_ = 'DT'  
token.head.text = 'evaluation'  
token.dep\_ = 'det'

TOKEN: evaluation  
token.tag\_ = 'NN'  
token.head.text = 'of'  
token.dep\_ = 'pobj'

TOKEN: .  
token.tag\_ = '.'  
token.head.text = 'Push'  
token.dep\_ = 'punct'

TOKEN: Repeat  
token.tag\_ = 'VB'  
token.head.text = 'Repeat'  
token.dep\_ = 'ROOT'

TOKEN: it  
token.tag\_ = 'PRP'  
token.head.text = 'Repeat'  
token.dep\_ = 'dobj'

TOKEN: till

token.tag\_ = 'IN'

token.head.text = 'Repeat'

token.dep\_ = 'prep'

TOKEN: the

token.tag\_ = 'DT'

token.head.text = 'end'

token.dep\_ = 'det'

TOKEN: end

token.tag\_ = 'NN'

token.head.text = 'till'

token.dep\_ = 'pobj'

TOKEN: of

token.tag\_ = 'IN'

token.head.text = 'end'

token.dep\_ = 'prep'

TOKEN: the

token.tag\_ = 'DT'

token.head.text = 'expression'

token.dep\_ = 'det'

TOKEN: expression

token.tag\_ = 'NN'

token.head.text = 'of'

token.dep\_ = 'pobj'

TOKEN: .

token.tag\_ = '.'

token.head.text = 'Repeat'

token.dep\_ = 'punct'

TOKEN: Checkout

token.tag\_ = 'NN'

token.head.text = 'examples'

token.dep\_ = 'compound'

TOKEN: examples

token.tag\_ = 'NNS'

token.head.text = 'examples'

token.dep\_ = 'ROOT'

TOKEN: that

token.tag\_ = 'WDT'

token.head.text = 'mention'

token.dep\_ = 'nsubjpass'

TOKEN: are

token.tag\_ = 'VBP'

token.head.text = 'mention'

token.dep\_ = 'aux'

TOKEN: mention

token.tag\_ = 'NN'

token.head.text = 'examples'

token.dep\_ = 'relcl'

TOKEN: below

token.tag\_ = 'RB'

token.head.text = 'mention'

token.dep\_ = 'advmod'

TOKEN: in

token.tag\_ = 'IN'

token.head.text = 'mention'

```
token.dep_ = 'prep'
```

```
TOKEN: table
```

```
token.tag_ = 'NN'
```

```
token.head.text = 'in'
```

```
token.dep_ = 'pobj'
```

```
"""
```