```
from nltk.tag import tnt
from google.colab import drive
import json
```

```
drive.mount('/content/drive')
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True)
```

```
tagged_sentences = []
with open('/content/drive/MyDrive/Cleaned_Sentences_Task/cleaned_sentences.txt', 'r') as file:
    tagged_sentences = json.load(file)
```

```
actual_tags = []
with open ('/content/drive/MyDrive/Cleaned_Sentences_Task/tags_original.txt', 'r') as file:
    actual_tags = json.load(file)
```

```
removed = []
with open ('/content/drive/MyDrive/Cleaned_Sentences_Task/sentences_without_tags.txt', 'r') as file:
    removed = json.load(file)
```

```
tagged_sents = []
for i in tagged_sentences:
    tagged_sents.append([tuple(i[0]), tuple(i[1])])
```

```
print(tagged_sents[0])
```

```
[('आग', 'nn'), ('की', 'psp')]
```

```
pos_tagger = tnt.TnT()
pos_tagger.train(tagged_sents[0: -4000])
print("POS TAGGER ACCURACY = {}".format(pos_tagger.evaluate(tagged_sents[-4000: ])))
```

```
POS TAGGER ACCURACY = 0.929125
```

```
nltk_tags = []
for i in removed:
  tag_1 = pos_tagger.tag(i)[0][1]
  tag_2 = pos_tagger.tag(i)[1][1]
  nltk_tags.extend([tag_1, tag_2])
```

```
print(nltk_tags[0: 2])
```

```
['nn', 'psp']
```

```
with open ('/content/drive/MyDrive/Cleaned_Sentences_Task/nltk_predictions.txt', 'w+') as file:
    json.dump(nltk_tags, file)
```