In [2]:

```
import nltk
def gender_features(word):
    return {'last_letter':word[-1]}
name="Nipunn"
print(gender_features(name))
```

```
{'last_letter': 'n'}
```

In [3]:

```
from nltk.corpus import names
labeled_names=([(name,'male') for name in names.words('male.txt')] + [(name,'female') for r
import random
random.shuffle(labeled_names)
featuresets = [(gender_features(n),gender) for (n,gender) in labeled_names]
train_set, test_set = featuresets[500:],featuresets[:500]
import nltk
classifier = nltk.NaiveBayesClassifier.train(train_set)
myname="Nipunn"
classifier.classify(gender_features(myname))
print("Probability of the person with name",myname, "being male:",nltk.classify.accuracy(cl
```

```
Probability of the person with name Nipunn being male: 0.724
```

In [ ]:

```

```