

In [2]:

```
from nltk.corpus import wordnet as wn
name=input("Find the synonym of: ")
sets=wn.synsets(name)
first=sets[0]
first=str(first)
print(first)
wn.synset('talk.v.02').lemma_names()

try:
    entry=first[8:-2]
    print(entry)
    wn.synset('talk.v.02').lemma_names()
    wn.synset(entry).lemma_names()
except:
    print("some error")
```

Find the synonym of: difficult
Synset('difficult.a.01')
difficult.a.01

In [4]:

```
from nltk.corpus import wordnet
word=input("Input the word:")
synonyms=[]
for syn in wordnet.synsets(word):
    print(syn)
    for l in syn.lemmas():
        synonyms.append(l.name())
print(set(synonyms))
```

Input the word:difficult
Synset('difficult.a.01')
Synset('unmanageable.a.02')
{'hard', 'unmanageable', 'difficult'}

In []: