In [2]:

```python
text_file = open('conv.txt', 'r')
text = text_file.read()

text = text.lower()
words = text.split()
words = [word.strip('.,!;()[]') for word in words]
words = [word.replace("'s", '') for word in words]


unique = []
for word in words:
    if word not in unique:
        unique.append(word)

print(unique)
```

['will:', 'iâ€™ve', 'never', 'seen', 'wildlings', 'do', 'a', 'thing', 'like', 'this', 'not', 'ever', 'in', 'my', 'life', 'royce:', 'how', 'close', 'did', 'you', 'get?', 'as', 'any', 'man', 'would', 'gared:', 'we', 'should', 'head', 'back', 'to', 'the', 'wall', 'dead', 'frighten', 'you?', 'our', 'orders', 'were', 'track', 'tracked', 'them', 'they', 'wonâ€™t', 'trouble', 'us', 'no', 'more', 'donâ€™t', 'think', 'heâ€™ll', 'ask', 'died?', 'get', 'on', 'your', 'horse', 'whatever', 'it', 'could', 'even', 'killed', 'children', 'itâ€™s', 'good', 'weâ€™re', 'want', 'run', 'away', 'south', 'of', 'course', 'will', 'behead', 'deserter', 'â€¦', 'if', 'i', 'catch', 'first', 'say', 'again', 'men', 'seem', 'have', 'moved', 'camp', 'here', 'see', 'where', 'went', 'what', 'is', 'it?', 'jon:', 'go', 'fatherâ€™s', 'watching', 'and', 'mother', 'septa', 'mordane:', 'fine', 'work', 'always', 'well', 'done', 'sansa:', 'thank', 'love', 'detail', 'that', 'youâ€™ve', 'managed', 'corners', 'ned:', 'which', 'one', 'was', 'marksman', 'at', 'ten?', 'keep', 'practicing', 'bran', 'too', 'much', 'robb:', 'relax', 'bow', 'arm', 'cassel:', 'lord', 'stark', 'lady', 'guardsman', 'just', 'rode', 'from', 'hills', 'theyâ€™ve', 'captured', 'nightâ€™s', 'watch', 'lads', 'saddle', 'their', 'horses', 'catelyn:', 'to?', 'he', 'swore', 'an', 'oath', 'cat', 'law', 'tell', 'heâ€™s', 'coming', 'ned', 'ten', 'young', 'such', 'things', 'be', 'boy', 'forever', 'winter', 'lad', 'rest', 'king', 'andals', 'father', 'know', 'seven', 'kingdoms', 'protector', 'realm', 'eddard', 'house', 'winterfell', 'warden', 'north', 'sentence', 'die', 'understand', 'why', 'bran:', 'jon', 'said', 'but', 'had', 'kill', 'him?', 'way', 'old', 'way?', 'who', 'passes', 'swing', 'sword', 'true', 'saw', 'white', 'walkers?', 'walkers', 'been', 'gone', 'for', 'thousands', 'years', 'so', 'lying?', 'madman', 'sees', 'theon:', 'mountain', 'lion?', 'there', 'are', 'lions', 'these', 'woods', 'freak', 'direwolf', 'tough', 'beas

```
t', 'direwolves', 'now', 'five', 'hold', 'go?', 'mother's',
'belong', 'down', 'better', 'quick', 'death', 'last', 'withou
t', 'right', 'give', 'put', 'blade', 'take', 'please', 'i'
m', 'sorry', 'stark?', 'pups', 'each', 'sigil', 'meant', 'trai
n', 'yourselves', 'feed', 'bury', 'about', 'cersei:', 'arryn',
'told', 'someone?', 'jaime:', 'tell?', 'husband', 'both', 'hea
ds', 'skewered', 'city', 'gates', 'by', 'knew', 'or', 'didn'
t', 'died', 'with', 'him', 'robert', 'choose', 'new', 'hand',
'someone', 'his', 'job', 'while', 'off', 'fucking', 'boars',
'hunting', 'whores', 'other', 'around?', 'that's', 'honor',
'can', 'days', 'long', 'lives', 'short', 'all', 'still', 'fee
l', 'outsider', 'when', 'come', 'northern', 'you're', 'wonde
r', 'gods', 'agree', 'rules', 'am', 'me', 'hear', 'prince', 'r
oyal', 'prick', 'those', 'southern', 'girls', 'gets', 'stab',
'tommy', 'shave', 'met', 'girl', 'likes', 'than', 'own', 'hai
r', 'grow', 'fast', 'got', 'hundreds', 'people', 'many', 'time
s', 'climbing', 'road', 'promise', 'grace', 'robert:', 'fat',
'nine', 'haven't', 'hell', 'been?', 'guarding', 'yours', 'ar
ya:', 'where's', 'imp?', 'shut', 'up?', 'here?', 'must', 'ro
bb', 'arya', 'ooh', 'show', 'muscles', 'you'll', 'soldier',
'jaime', 'lannister', 'queen's', 'twin', 'brother', 'up', 'q
ueen', 'crypt', 'pay', 'respects', 'we've', 'riding', 'mont
h', 'surely', 'wait', 'brother?', 'find', 'little', 'minute',
'then', 'burned', 'through', 'loved', 'teach', 'remember', '1
6?', 'wanted', 'crack', 'skulls', 'fuck', 'showed', 'aye']
```

In [6]:

```python
1  import re
2  r=re.compile(':$')
3  ans=list(filter(r.findall,unique))
4  print('\n'.join(ans))
```

will:
royce:
gared:
jon:
mordane:
sansa:
ned:
robb:
cassel:
catelyn:
bran:
theon:
cersei:
jaime:
robert:
arya:

In [7]:

```python
print('The no.of Unique speakers in the conversation are:',len(ans))
```

The no.of Unique speakers in the conversation are: 16

In [8]:

```python
text_file.close()
```

In [9]:

```python
text_file = open('conv.txt', 'r')

test=text_file.read()
```

In [10]:

```python
x=text.lower()
x
a=x.split('\n')
```

In [11]:

```python
a
```

Out[11]:

```
['will: iâ€™ve never seen wildlings do a thing like this. iâ€™
ve never seen a thing like this, not ever in my life.',
 '',
 'royce: how close did you get?',
 '',
 'will: close as any man would.',
 '',
 'gared: we should head back to the wall.',
 '',
 'royce: do the dead frighten you?',
 '',
 'gared: our orders were to track the wildlings. we tracked th
em. they wonâ€™t trouble us no more.',
 '',
 'royce: you donâ€™t think heâ€™ll ask us how they died? get b
ack on your horse.',
 '',
 'will: whatever did it to them could do it to us. they even k
```

In [18]:

```
1  s=re.compile('^will')
2  w=list(filter(s.findall,a))
3
```

In [19]:

```
1  w
```

Out[19]:

```
['will: iâ€™ve never seen wildlings do a thing like this. iâ€™ve
never seen a thing like this, not ever in my life.',
 'will: close as any man would.',
 'will: whatever did it to them could do it to us. they even kil
led the children.',
 'will: they were here.']
```

In [20]:

```
1  test=open('text.txt','w')
2  test.writelines(w)
3  test.close()
```

In [21]:

```
1  text_file = open('will.txt', 'r')
2  text = text_file.read()
3
4  text = text.lower()
5  words = text.split()
6  words = [word.strip('.,!;()[]') for word in words]
7  words = [word.replace("'s", '') for word in words]
8
9
10 unique = []
11 for word in words:
12     if word not in unique:
13         unique.append(word)
14
15
16 print(unique)
```

```
['iâ€™ve', 'never', 'seen', 'wildlings', 'do', 'a', 'thing', 'li
ke', 'this', 'not', 'ever', 'in', 'my', 'close', 'as', 'any', 'm
an', 'whatever', 'did', 'it', 'to', 'them', 'could', 'us', 'the
y', 'even', 'killed', 'the', 'were', 'here']
```

In [22]:

```python
with open('will.txt', 'w+') as f:
    for line in unique :
        f.write(line)
        f.write('\n')
```

In [23]:

```python
f.close()
```

In [ ]:

```python

```

In [ ]:

```python

```