#### In [126]:

```
#Creating a list and appending the first word of the document from the text file "conv.txt"
with open("contacts\conv.txt", "r") as f:
    for line in f:
        words = line.split()
        if words:
            e.append(words[0])
            e.append(" ")
e
 'ROBB:',
 'THEON:',
 'BRÁN:',
 'NED:',
 'JON:',
 'NED:',
 'BRAN:',
 'JOŃ:',
 'ROBB:',
 'CEDCET.
In [127]:
```

```
#Adding the word in the list to a string by adding it to a new text file "new.txt" and then reading it by a string variable k
with open("new.txt", "w+") as d:
    d.writelines(e)
    d.seek(0)
    k = d.read()
```

## Out[127]:

'WILL: WAYMAR WILL: GARED: ROYCE: GARED: ROYCE: WILL: ROYCE: ROYCE: WILL: GARED: ROYCE: JON: JON: SEPTA SANSA: SEPTA NED: JON: ROBB: CASSEL: NED: CATELYN: NED: CASSEL: NED: CATELYN: NED: ROBB: NED: JON: NED: JON: NED: BRAN: NED: BRAN: NED: BRAN: NED: BRAN: NED: THEON: NED: THEON: NED: NED: ROBB: JON: JON: BRAN: CASSEL: NED: THEON: BRAN: ROBB: THEON: BRAN: NED: JON: NED: BRAN: JON: ROBB: CERSEI: JAIME: CERSEI: JAIME: CERSEI: JAIME: CATELYN: NED: CATELYN: NED: CATELYN: NED: CATELYN: NED: ROBB: THEON: ROBB: CATELYN: BRAN: CATELYN: BRAN: CATELYN: NED: ROBERT: ROBERT: ROBERT: ROBERT: NED: ROBERT: ROBERT

# In [129]:

```
#replacing "WAYMER" by "ROYCE" because "WAYMER ROYCE" is "ROYCE"
k = k.replace("WAYMAR", "ROYCE:")
k
```

### Out[129]:

```
In [134]:
```

```
#Finding the unique word in k
len=0
#cleaning
words = k.split()
words = [word.strip('.,!;()[]') for word in words]
#finding unique
unique = []
for word in words:
    if word not in unique:
         unique.append(word)
         len = len+1
#sort
unique.sort()
#print
print(unique)
['ARYA:', 'BRAN:', 'CASSEL:', 'CATELYN:', 'CERSEI:', 'GARED:', 'JAIME:', 'JON:', 'NED:', 'ROBB:', 'ROBERT:', 'ROYCE:', 'SAN SA:', 'SEPTA', 'THEON:', 'WILL:']
In [135]:
# the number of unique dialogue speakers in the sample conversation
Out[135]:
16
In [136]:
#Making the new variable "newly" with text in lower case and no":"
newly=[s.lower() for s in unique]
newly=[s.replace(':',"") for s in newly]
```

```
In [137]:
```

```
#Making new text files with character's name and dialogue
for x in range(16):
        b=[]
        with open("contacts\conv.txt", "r") as f:
                for line in f:
                        words = line.split()
                         if unique[x] in words:
                                 b.append(line)
                                 with open(newly[x]+".txt", "w") as g:
                                        g.writelines(b)
        print(b)
x=x+1
['ARYA: Where's the Imp?\n', 'ARYA: Arya.\n', 'ARYA: That's Jaime Lannister. The queen's twin brother.\n', 'ARYA: Whe
 ['BRAN: Jon said he was a deserter.\n', 'BRAN: Our way is the old way?\n', 'BRAN: Is it true he saw the White Walkers?\n',
 'BRAN: So he was lying?\n', 'BRAN: Where will they go? Their motherâ∈"s dead.\n', 'BRAN: NO!\n', 'BRAN: Please, father!\n', 'BRAN: What about you?\n', 'BRAN: I saw the king! Heâ∈™s got hundreds of people!\n', 'BRAN: But heâ∈™s coming right now! Do
['CASSEL: Lord Stark. My lady. A guardsman just rode in from the hills. They've captured a deserter from the Night's Wa
tch.\n', 'CASSEL: The law is law, my lady.\n', 'CASSEL: They don't belong down here.\n']
['CATELYN: Do you have to?\n', 'CATELYN: Ned. Ten is too young to see such things.\n', 'CATELYN: All these years and I stil
feel like an outsider when I come here.\n', 'CATELYN: I wonder if the old gods agree.\n', 'CATELYN: I am so sorry, my lov e.\n', 'CATELYN: Gods, but they grow fast.\n', 'CATELYN: How many times have I told you No climbing!\n', 'CATELYN: I want y
ou to promise me. No more climbing.\n', 'CATELYN: Your Grace.\n', 'CATELYN: My queen.\n']

['CERSEI: What if Jon Arryn told someone?\n', 'CERSEI: My husband.\n', 'CERSEI: You should be the Hand of the king.\n', 'CERSEI: We've been riding for a month, my love. Surely the dead can wait.\n', 'CERSEI: Where is our brother? Go find the li
ttle beast.\n'l
['GARED: We should head back to the wall.\n', 'GARED: Our orders were to track the wildlings. We tracked them. They won't
trouble us no more.\n', 'GARED: See where they went.\n']
['JAIME: But who would he tell?\n', 'JAIME: If he told the king, both our heads would be skewered on the city gates by now.
Whatever Jon Arryn knew or didn't know, it died with him. And Robert will choose a new Hand of the king, someone to do hi
s job while he's off fucking boars and hunting whores. Or is it the other way around? And life will go on.\n', 'JAIME: Th
at候s an honor I can do without. Their days are too long, their lives are too short.\n']
['JON: Go on. Father候s watching.\n', 'JON: And your mother.\n', 'JON: Don't think too much, Bran.\n', 'JON: Father will know if you do.\n', 'JON: You did well.\n', 'JON: What is it?\n', 'JON: Now there are five.\n', 'JON: You want to hold it?
\n', 'JON: Lord Stark? There are five pups. One for each of the Stark children. The direwolf is the sigil of your House. The ey were meant to have them.\n', 'JON: I'm not a Stark. Get on.\n']
['NED: And which one of you was a marksman at ten? Keep practicing, Bran. Go on.\n', 'NED: Get the lads to saddle their hor ses.\n', 'NED: He swore an oath, Cat.\n', 'NED: Tell Bran he's coming, too.\n', 'NED: He won't be a boy forever. And wi
nter is coming.\n', 'NED: King of the Andals and the First Men â€|\n', 'NED: Lord of the Seven Kingdoms and protector of th
e realm, I, Eddard of the House Stark, Lord of Winterfell and Warden of the North, sentence you to die.\n', 'NED: You under
 stand why I did it?\n', 'NED: But do you understand why I had to kill him?\n', 'NED: The man who passes the sentence should
swing the sword.\n', 'NED: The White Walkers have been gone for thousands of years.\n', 'NED: A madman sees what he see s.\n', 'NED: There are no mountain lions in these woods.\n', 'NED: It's a direwolf.\n', 'NED: Tough old beast.\n', 'NED:
Better a quick death. They won't last without their mother.\n', 'NED: l'm sorry, Bran.\n', 'NED: You will train them yo urselves. You will feed them yourselves. And if they die, you will bury them yourselves.\n', 'NED: You have five northern c hildren. You're not an outsider.\n', 'NED: It's your gods with all the rules.\n', 'NED: Tell me.\n', 'NED: Your Grac e.\n', 'NED: Guarding the North for you, Your Grace. Winterfell is yours.\n', 'NED: My queen.\n', 'NED: Tell me about Jon A
ryn.\n', 'NED: We both did.\n', 'NED: Aye.\n']
['ROBB: Relax your bow arm.\n', 'ROBB: Lad, go run back and get the rest.\n', 'ROBB: There are no direwolves south of the W
all.\n', 'ROBB: Put away your blade.\n', 'ROBB: What is it?\n', 'ROBB: I hear the prince is a right royal prick.\n', 'ROBB: Go on, Tommy, shave him good. He's never met a girl he likes better than his own hair.\n']
['ROBERT: You've got fat.\n', 'ROBERT: Cat!\n', 'ROBERT: Nine years. Why haven't I seen you? Where the hell have you be
['ROBERT: Youae-ve got rat.\n', ROBERT: \data\n', ROBERT: \data\n', ROBERT: \data\n', 'ROBERT: \data\n', 'R
Burned right through him, whatever it was. I loved that man.\n', 'ROBERT: He never had to teach you much, but me … You re
member me at 16? All I wanted to do was crack skulls and fuck girls. He showed me what was what.\n']
['WAYMAR ROYCE: How close did you get?\n', 'ROYCE: Do the dead frighten you?\n', 'ROYCE: You doed for think he'll ask us how they died? Get back on your horse.\n', 'ROYCE: It's a good thing we're not children. You want to run away south, run
away. Of course, they will behead you as a deserter \hat{a} \in \Gamma If I donâ\in T catch you first. Get back on your horse. I wonâ\in T say
it again.\n', 'ROYCE: Your dead men seem to have moved camp.\n', 'ROYCE: What is it?\n']
['SANSA: Thank you.\n', 'SANSA: Will you shut up?\n', 'SANSA: Would you please shut up.\n']
['SEPTA MORDANE: Fine work, as always. Well done.\n', 'SEPTA MORDANE: I love the detail that you've managed to get in thi
 s corners.\n'l
['THEON: Mountain lion?\n', 'THEON: It's a freak.\n', 'THEON: Right. Give it here.\n', 'THEON: I take orders from your fa
 ther, not you.\n', 'THEON: Think of all those southern girls he gets to stab with his right royal prick.\n']
```

['WILL: I've never seen wildlings do a thing like this. I've never seen a thing like this, not ever in my life.\n', 'WI LL: Close as any man would.\n', 'WILL: Whatever did it to them could do it to us. They even killed the children.\n', 'WILL:

They were here.\n']

## In [138]:

```
#Creating a new text file by the name of the dialogue speaker and storing the unique words spoken by that character in the respective text
for x in range(16):
     text_file = open(newly[x]+'.txt', 'r')
text = text_file.read()
     #cleaning
     text = text.lower()
     words = text.split()
words = [word.strip('.,!;()[]?') for word in words]
words = [word.replace("â€"s", '') for word in words]
words = [word.replace(":", '') for word in words]
     #finding unique
     nunique = []
     for word in words:
          if word not in nunique:
               if word != newly[x]:
                    nunique.append(word)
                    nunique.append("\n")
     with open(newly[x]+".txt", "w") as r:
          r.writelines(nunique)
     #print
     print(nunique)
x=x+1
4
```

```
['where', '\n', 'the', '\n', 'imp', '\n', 'that', '\n', 'jaime', '\n', 'lannister', '\n', 'queen', '\n', 'twin', '\n', 'bro
              ther', '\n'
           ther', '\n']
['jon', '\n', 'said', '\n', 'he', '\n', 'was', '\n', 'a', '\n', 'deserter', '\n', 'our', '\n', 'way', '\n', 'is', '\n', 'the e', '\n', 'old', '\n', 'it', '\n', 'true', '\n', 'saw', '\n', 'white', '\n', 'walkers', '\n', 'so', '\n', 'lying', '\n', 'where', '\n', 'will', '\n', 'they', '\n', 'go', '\n', 'their', '\n', 'whother', '\n', 'dead', '\n', 'no', '\n', 'please', '\n', 'father', '\n', 'what', '\n', 'about', '\n', 'you', '\n', 'i', '\n', 'king', '\n', 'got', '\n', 'hundreds', '\n', 'of', '\n', 'people', '\n', 'but', '\n', 'coming', '\n', 'right', '\n', 'now', '\n', 'down', '\n', 'road', '\n']
['lord', '\n', 'stark', '\n', 'my', '\n', 'lady', '\n', 'a', '\n', 'guardsman', '\n', 'just', '\n', 'rode', '\n', 'in', 'rom', '\n', 'the', '\n', 'theyà€™ve', '\n', 'captured', '\n', 'deserter', '\n', 'night', '\n', 'watch', '\n', 'law', '\n', 'is', '\n', 'they', '\n', 'don't', '\n', 'belong', '\n', 'down', '\n', 'here', '\n']
['do', '\n', 'you', '\n', 'theve', '\n', 'to', '\n', 'ned', '\n', 'ten', '\n', 'down', '\n', 'too', '\n', 'young', '\n', 'see', '\n', 'such', '\n', 'things', '\n', 'to', '\n', 'these', '\n', 'years', '\n', 'and', '\n', 'ii, '\n', 'still', '\n', 'feel', '\n', 'like', '\n', 'gods', '\n', 'agree', '\n', 'when', '\n', 'soory', '\n', 'wonder', '\n', 'in', 'love', '\n', 'but', '\n', 'they', '\n', 'grace', '\n', 'how', '\n', 'many', '\n', 'times', '\n', 'told', '\n', 'no', '\n', '\n', 'climbing', '\n', 'they', '\n', 'promise', '\n', 'more', '\n', 'your', '\n', 'grace', '\n', 'queen', '\n']
                                                                                            \n']
the control of the co
```

In [139]:

```
#Appending arya in her text file as she has spoken her name
with open("arya.txt", "a") as arya:
    arya.write("arya")
```

In [ ]: