```
##TASK 1:Find out the number of unique dialogue speakers in the sample
conversation
#Loading the text file.
with open("conv.txt","r",encoding="utf8") as f:
    lines=f.readlines()

#this will remove \n from our lines.
lines2=[]
for i in lines:
    lines2.append(i.strip())

#empty lists to store our names.
name=[]   #this will store a single name in a line, eg
['W','I','L','L']
name2=[]  #this will join all the characters in a list, eg ["WILL"]
names=[]  #this will join all the names2 element into a list , eg
["WILL","ROBB"]

#idea of this code is to read every character of a line till ":" and
append the characters to the list name.
for i in range(len(lines2)):
    for v in lines[i]:
        if v==":":
            break
        else:
            name.append(v)
    name2="".join(name)
    name=[]
    names.append(name2)

# idea is to remove extra \n from our list, so we first convert the
list into a set and then remove it.
names=set(names) #set will have only unique values of the list
names.remove("\n")
#then we will convert the names back to list.
names=list(names)
print("Output:")
print("Names of the characters are:",names)
print("\nTotal number of unique characters are:",len(names))
print("\nNOTE:In the conv.txt the character 'WAYMAR ROYCE' is also
written as just 'ROYCE' afterwords , so if we exclude the WAYMAR ROYCE
we get 16 unique characters. ")
```

```
Output:
Names of the characters are: ['JON', 'THEON', 'WILL', 'ROYCE',
'GARED', 'NED', 'ROBERT', 'CATELYN', 'WAYMAR ROYCE', 'ARYA', 'SANSA',
'CASSEL', 'BRAN', 'CERSEI', 'JAIME', 'ROBB', 'SEPTA MORDANE']

Total number of unique characters are: 17
```

NOTE:In the conv.txt the character 'WAYMAR ROYCE' is also written as just 'ROYCE' afterwords , so if we exclude the WAYMAR ROYCE we get 16 unique characters.

```
#TASK 2:Create a new text file by the name of the dialogue speaker and store the unique words
#       spoken by that character in the respective text file. Make sure there is only one word
#       every line.

#Loading the text file
with open("conv.txt","r",encoding="utf8") as f:
    lines=f.readlines()

#removing the '\n'
lines=set(lines)
lines.remove("\n")
lines=list(lines)

#removing \n inside the dialogue
lines2=[]
for i in lines:
    lines2.append(i.strip())

#changing each dialogue into a list
lines3=[]
for i in range(len(lines2)):
    lines3.append(lines2[i].split())

#appending the dialogues said by a particular speaker into a list.
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="WILL:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))
```

```
#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by WILL are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("will.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by WILL are: ['Close', 'I’ve', 'They',
'Whatever', 'a', 'any', 'as', 'children.', 'could', 'did', 'do',
'even', 'ever', 'here.', 'in', 'it', 'killed', 'life.', 'like', 'man',
'my', 'never', 'not', 'seen', 'the', 'them', 'thing', 'this,',
'this.', 'to', 'us.', 'were', 'wildlings', 'would.']
```

```
#JON
#appending the dialogues said by a particular speaker into a list.
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="JON:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by JON are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("JON.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by JON are: ['And', 'Bran.', 'Don’t',
'Father', 'Father’s', 'Get', 'Go', 'House.', 'I’m', 'Lord', 'Now',
'One', 'Stark', 'Stark.', 'Stark?', 'The', 'There', 'They', 'What',
'You', 'a', 'are', 'children.', 'did', 'direwolf', 'do.', 'each',
```

```
'five', 'five.', 'for', 'have', 'hold', 'if', 'is', 'it?', 'know',
'meant', 'mother.', 'much,', 'not', 'of', 'on.', 'pups.', 'sigil',
'the', 'them.', 'there', 'think', 'to', 'too', 'want', 'watching.',
'well.', 'were', 'will', 'you', 'your']
```

```
#THEON
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="THEON:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by THEON are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("THEON.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by THEON are: ['Give', 'I', 'It’s',
'Mountain', 'Right.', 'Think', 'a', 'all', 'father,', 'freak.',
'from', 'gets', 'girls', 'he', 'here.', 'his', 'it', 'lion?', 'not',
'of', 'orders', 'prick.', 'right', 'royal', 'southern', 'stab',
'take', 'those', 'to', 'with', 'you.', 'your']
```

```
#ROYCE
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="ROYCE:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
```

```
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by ROYCE are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("ROYCE.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by ROYCE are: ['Do', 'Get', 'I', 'If', 'It’s',
'Of', 'What', 'You', 'Your', 'a', 'again.', 'as', 'ask', 'away',
'away.', 'back', 'behead', 'camp.', 'catch', 'children.', 'course,',
'dead', 'deserter', 'died?', 'don’t', 'first.', 'frighten', 'good',
'have', 'he’ll', 'horse.', 'how', 'is', 'it', 'it?', 'men', 'moved',
'not', 'on', 'run', 'say', 'seem', 'south,', 'the', 'they', 'thing',
'think', 'to', 'us', 'want', 'we’re', 'will', 'won’t', 'you', 'you?',
'your', '…']
```

```
#GARED
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="GARED:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
```

```
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by GARED are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("GARED.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by GARED are: ['Our', 'See', 'They', 'We',
'back', 'head', 'more.', 'no', 'orders', 'should', 'the', 'them.',
'they', 'to', 'track', 'tracked', 'trouble', 'us', 'wall.', 'went.',
'were', 'where', 'wildlings.', 'won’t']
```

```
#NED
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="NED:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by NED are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("NED.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by NED are: ['A', 'And', 'Andals', 'Arryn.',
'Aye.', 'Better', 'Bran', 'Bran.', 'But', 'Cat.', 'Eddard', 'First',
'Get', 'Go', 'Grace.', 'Guarding', 'He', 'House', 'I', 'I,', 'It’s',
'I’m', 'Jon', 'Keep', 'King', 'Kingdoms', 'Lord', 'Men', 'My',
```

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'North', 'North,', 'Seven', 'Stark,', 'Tell', 'The', 'There', 'They',
'Tough', 'Walkers', 'Warden', 'We', 'White', 'Winterfell', 'You',
'Your', 'You’re', 'a', 'about', 'all', 'an', 'and', 'are', 'at', 'be',
'beast.', 'been', 'both', 'boy', 'bury', 'children.', 'coming,',
'coming.', 'death.', 'did', 'did.', 'die,', 'die.', 'direwolf.', 'do',
'feed', 'five', 'for', 'forever.', 'gods', 'gone', 'had', 'have',
'he', 'he’s', 'him?', 'horses.', 'if', 'in', 'is', 'it?', 'kill',
'lads', 'last', 'lions', 'madman', 'man', 'marksman', 'me', 'me.',
'mother.', 'mountain', 'no', 'northern', 'not', 'oath,', 'of', 'old',
'on.', 'one', 'outsider.', 'passes', 'practicing,', 'protector',
'queen.', 'quick', 'realm,', 'rules.', 'saddle', 'sees', 'sees.',
'sentence', 'should', 'sorry,', 'swing', 'sword.', 'swore', 'ten?',
'the', 'their', 'them', 'these', 'they', 'thousands', 'to', 'too.',
'train', 'understand', 'was', 'what', 'which', 'who', 'why', 'will',
'winter', 'with', 'without', 'won’t', 'woods.', 'years.', 'you',
'you,', 'your', 'yours.', 'yourselves.', '…']
```

```
#ROBERT
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="ROBERT:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by ROBERT are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("ROBERT.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by ROBERT are: ['16?', 'All', 'Burned',
'Cat!', 'He', 'I', 'Ned.', 'Nine', 'One', 'Ooh.', 'Robb.', 'Show',
'Take', 'Where', 'Who', 'Why', 'You', 'You’ll', 'You’ve', 'a', 'and',
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```
'at', 'be', 'been?', 'but', 'crack', 'crypt.', 'do', 'fat.', 'fine,',
'fuck', 'girls.', 'got', 'had', 'have', 'haven’t', 'he', 'hell',
'here?', 'him,', 'it', 'loved', 'man.', 'me', 'minute', 'much,',
'muscles.', 'must', 'my', 'never', 'pay', 'remember', 'respects.',
'right', 'seen', 'showed', 'skulls', 'soldier.', 'teach', 'that',
'the', 'then', 'through', 'to', 'us', 'want', 'wanted', 'was', 'was.',
'we', 'what', 'what.', 'whatever', 'years.', 'you', 'you?', 'your',
'…']
```

```
#CATELYN
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="CATELYN:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by CATELYN are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("CATELYN.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by CATELYN are: ['All', 'Do', 'Gods,',
'Grace.', 'How', 'I', 'My', 'Ned.', 'No', 'Ten', 'Your', 'agree.',
'am', 'an', 'and', 'but', 'climbing!', 'climbing.', 'come', 'fast.',
'feel', 'gods', 'grow', 'have', 'here.', 'if', 'is', 'like', 'love.',
'many', 'me.', 'more', 'my', 'old', 'outsider', 'promise', 'queen.',
'see', 'so', 'sorry,', 'still', 'such', 'the', 'these', 'they',
'things.', 'times', 'to', 'to?', 'told', 'too', 'want', 'when',
'wonder', 'years', 'you', 'young']
```

```
#WAYMAR ROYCE
SPEAKER=[]
```

```
for i in range(len(lines3)):
    if lines3[i][0]=="WAYMAR":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by WAYMAR are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("WAYMAR.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by WAYMAR are: ['How', 'ROYCE:', 'close',
'did', 'get?', 'you']
```

```
#ARYA
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="ARYA:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
```

```
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by ARYA are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("ARYA.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by ARYA are: ['Arya.', 'Imp?', 'Jaime',
'Lannister.', 'That’s', 'The', 'Where’s', 'brother.', 'queen’s',
'the', 'twin']
```

```
#SANSA
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="SANSA:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by SANSA are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("SANSA.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by SANSA are: ['Thank', 'Will', 'Would',
'please', 'shut', 'up.', 'up?', 'you', 'you.']
```

```
#CASSEL
SPEAKER=[]
```

```
for i in range(len(lines3)):
    if lines3[i][0]=="CASSEL:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by CASSEL are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("CASSEL.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by CASSEL are: ['A', 'Lord', 'My', 'Night's',
'Stark.', 'The', 'They', 'They've', 'Watch.', 'a', 'belong',
'captured', 'deserter', 'don't', 'down', 'from', 'guardsman', 'here.',
'hills.', 'in', 'is', 'just', 'lady.', 'law', 'law,', 'my', 'rode',
'the']
```

```
#BRAN
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="BRAN:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
```

```
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by BRAN are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("BRAN.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by BRAN are: ['But', 'Down', 'He’s', 'I',
'Is', 'Jon', 'NO!', 'Our', 'Please,', 'So', 'Their', 'Walkers?',
'What', 'Where', 'White', 'a', 'about', 'coming', 'dead.',
'deserter.', 'father!', 'go?', 'got', 'he', 'he’s', 'hundreds', 'is',
'it', 'king!', 'lying?', 'mother’s', 'now!', 'of', 'old', 'our',
'people!', 'right', 'road!', 'said', 'saw', 'the', 'they', 'true',
'was', 'way', 'way?', 'will', 'you?']
```

```
#CERSIE
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="CERSEI:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by CERSEI are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("CERSIE.txt","w")
```

```
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by CERSEI are: ['Arryn', 'Go', 'Hand', 'Jon',
'My', 'Surely', 'We've', 'What', 'Where', 'You', 'a', 'be', 'beast.',
'been', 'brother?', 'can', 'dead', 'find', 'for', 'husband.', 'if',
'is', 'king.', 'little', 'love.', 'month,', 'my', 'of', 'our',
'riding', 'should', 'someone?', 'the', 'told', 'wait.']
```

```
#JAIME
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="JAIME:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by JAIME are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("JAIME.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by JAIME are: ['And', 'Arryn', 'But', 'Hand',
'I', 'If', 'Jon', 'Or', 'Robert', 'That's', 'Their', 'Whatever', 'a',
'an', 'and', 'are', 'around?', 'be', 'boars', 'both', 'by', 'can',
'choose', 'city', 'days', 'didn't', 'died', 'do', 'fucking', 'gates',
'go', 'he', 'heads', 'he's', 'him.', 'his', 'honor', 'hunting', 'is',
'it', 'job', 'king,', 'knew', 'know,', 'life', 'lives', 'long,',
'new', 'now.', 'of', 'off', 'on', 'on.', 'or', 'other', 'our',
'short.', 'skewered', 'someone', 'tell?', 'the', 'their', 'to',
'told', 'too', 'way', 'while', 'who', 'whores.', 'will', 'with',
'without.', 'would']
```

```
#ROBB
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="ROBB:":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]

#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by ROBB are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("ROBB.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by ROBB are: ['Go', 'He’s', 'I', 'Lad,',
'Put', 'Relax', 'There', 'Tommy,', 'Wall.', 'What', 'a', 'and', 'are',
'arm.', 'away', 'back', 'better', 'blade.', 'bow', 'direwolves',
'get', 'girl', 'go', 'good.', 'hair.', 'he', 'hear', 'him', 'his',
'is', 'it?', 'likes', 'met', 'never', 'no', 'of', 'on,', 'own',
'prick.', 'prince', 'rest.', 'right', 'royal', 'run', 'shave',
'south', 'than', 'the', 'your']
```

```
#SEPTA MORDANE
SPEAKER=[]
for i in range(len(lines3)):
    if lines3[i][0]=="SEPTA":
        SPEAKER.append(lines3[i])
    else:
        pass

#deleting the speaker's name from the lines.
for i in range(len(SPEAKER)):
    del SPEAKER[i][0]
```

```
#words said by the speaker into a list.
speaker=[]
for i in range(len(SPEAKER)):
    for i2 in range(len(SPEAKER[i])):
        speaker.append(SPEAKER[i][i2])

#removing the repeated words
speaker=list(set(speaker))

#sorting the list of words in alphabetical order
speaker.sort()
print("The unique words spoken by SEPTA are:",speaker)

#writing the unique words to the text file named after the speaker.
w=open("SEPTA.txt","w")
for i in speaker:
    w.write("%s\n" % i)
```

```
The unique words spoken by SEPTA are: ['Fine', 'I', 'MORDANE:',
'Well', 'always.', 'as', 'corners.', 'detail', 'done.', 'get', 'in',
'love', 'managed', 'that', 'the', 'this', 'to', 'work,', 'you’ve']
```