```
In [14]:  1  # open the file in reading mode and read the contents
          2  # use 'with' so that you don't have to close it manually everytime
          3
          4  with open('conv.txt', 'r') as f:
          5      data = f.read()
          6
          7  print(data)
          8
```

WILL: Iâ€™ve never seen wildlings do a thing like this. Iâ€™ve never seen
a thing like this, not ever in my life.

WAYMAR 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 them. They wonâ
€™t trouble us no more.

ROYCE: You donâ€™t think heâ€™ll ask us how they died? Get back on your ho
rse.

WILL: Whatever did it to them could do it to us. They even killed the chil
dren.

```
In [15]:  1  # split the data by line so that you don't get individual lines of a diogu
          2  lines = data.split('\n')\
          3
          4  print(lines)
```

man who passes the sentence should swing the sword.', '', 'BRAN: Is it tru
e he saw the White Walkers?', '', 'NED: The White Walkers have been gone f
or thousands of years.', '', 'BRAN: So he was lying?', '', 'NED: A madman
sees what he sees.', '', 'JON: What is it?', '', 'THEON: Mountain lion?',
'', 'NED: There are no mountain lions in these woods.', '', 'THEON: Itâ€™s
a freak.', '', 'NED: Itâ€™s a direwolf.', '', 'NED: Tough old beast.', '',
'ROBB: There are no direwolves south of the Wall.', '', 'JON: Now there ar
e five.', '', 'JON: You want to hold it?', '', 'BRAN: Where will they go?
Their motherâ€™s dead.', '', 'CASSEL: They donâ€™t belong down here.', '',
'NED: Better a quick death. They wonâ€™t last without their mother.', '',
'THEON: Right. Give it here.', '', 'BRAN: NO!', '', 'ROBB: Put away your b
lade.', '', 'THEON: I take orders from your father, not you.', '', 'BRAN:
Please, father!', '', 'NED: Iâ€™m sorry, Bran.', '', 'JON: Lord Stark? The
re are five pups. One for each of the Stark children. The direwolf is the
sigil of your House. They were meant to have them.', '', 'NED: You will tr
ain them yourselves. You will feed them yourselves. And if they die, you w
ill bury them yourselves.', '', 'BRAN: What about you?', '', 'JON: Iâ€™m n
ot a Stark. Get on.', '', 'ROBB: What is it?', '', 'CERSEI: What if Jon Ar
ryn told someone?', '', 'JAIME: But who would he tell?', '', 'CERSEI: My h
usband.', '', 'JAIME: If he told the king, both our heads would be skewere

```
In [16]:    1  # define a set named characters to get the unique characters
            2  characters = set()
            3
            4  # Iterate over the lines of dialogue and extract the unique characters
            5  for line in lines:
            6      if ':' in line:
            7          # split the line to get the character_names(roles) and remove any
            8          roles = line.split(':')[0].strip()
            9          characters.add(roles)
           10
           11
```

```
In [19]:    1  print('Number of Characters: ', len(characters), '\n')
            2  print('The Characters are: ', characters)
```

```
Number of Characters:  17

The Characters are:  {'NED', 'JAIME', 'CERSEI', 'JON', 'WILL', 'GARED', 'ROBE
RT', 'SANSA', 'CASSEL', 'CATELYN', 'ARYA', 'ROBB', 'THEON', 'ROYCE', 'WAYMAR
ROYCE', 'SEPTA MORDANE', 'BRAN'}
```

```
In [18]:    1  # create a new file for each character and store their unique words
            2  for character in characters:
            3      # Create a new file with the character's name
            4      filename = 'players/' + character.lower().replace(' ', '_') + '.txt'
            5      with open(filename, 'w') as file:
            6          # Find all lines of dialogue for this character
            7          character_lines = [line for line in lines if line.startswith(chara
            8          # Split the lines into words and store the unique words in the fil
            9          words = set()
           10          for line in character_lines:
           11              for word in line.split(':')[1].split():
           12                  word = word.strip(",.!\'?").lower()
           13                  words.add(word)
           14          file.write('\n'.join(words))
           15
```

	Name ↓	Last Modified	File size
☐ ..		seconds ago	
☐ 🗎 arya.txt		6 minutes ago	79 B
☐ 🗎 bran.txt		6 minutes ago	264 B
☐ 🗎 cassel.txt		6 minutes ago	162 B
☐ 🗎 catelyn.txt		6 minutes ago	306 B
☐ 🗎 cersei.txt		6 minutes ago	205 B
☐ 🗎 gared.txt		6 minutes ago	145 B
☐ 🗎 jaime.txt		6 minutes ago	413 B
☐ 🗎 jon.txt		6 minutes ago	306 B
☐ 🗎 ned.txt		6 minutes ago	879 B
☐ 🗎 robb.txt		6 minutes ago	276 B
☐ 🗎 robert.txt		6 minutes ago	442 B
☐ 🗎 royce.txt		6 minutes ago	314 B
☐ 🗎 sansa.txt		6 minutes ago	41 B
☐ 🗎 septa_mordane.txt		6 minutes ago	109 B
☐ 🗎 theon.txt		6 minutes ago	187 B
☐ 🗎 waymar_royce.txt		6 minutes ago	25 B
☐ 🗎 will.txt		6 minutes ago	196 B

📃 Jupyter arya.txt✔

File   Edit   View   Lang

```
1   where's
2   that's
3   jaime
4   brother
5   the
6   lannister
7   twin
8   arya
9   queen's
10  imp
```

Jupyter bran.txt

File Edit View Lang

```
 1  our
 2  was
 3  jon
 4  people
 5  dead
 6  right
 7  lying
 8  the
 9  road
10  i
11  of
12  will
13  a
14  white
15  go
16  got
17  it
18  what
19  he
20  father
21  they
22  you
23  now
24  please
25  but
26  way
27  coming
28  he's
29  about
30  their
31  old
32  is
33  no
34  down
35  hundreds
36  so
37  mother's
38  walkers
39  where
40  said
41  king
42  saw
43  deserter
44  true
```

Jupyter cassel.txt

File Edit View Langua

```
 1  law
 2  guardsman
 3  in
 4  the
 5  night's
 6  don't
 7  belong
 8  hills
 9  a
10  just
11  lord
12  they
13  they've
14  here
15  is
16  rode
17  down
18  from
19  watch
20  stark
21  captured
22  lady
23  my
24  deserter
```

jupyter cersei.txt

File   Edit   View   Langua

```
 1  someone
 2  our
 3  jon
 4  dead
 5  the
 6  beast
 7  of
 8  be
 9  arryn
10  a
11  been
12  for
13  brother
14  go
15  month
16  what
17  you
18  if
19  should
20  find
21  we've
22  riding
23  is
24  hand
25  told
26  surely
27  can
28  husband
29  little
30  wait
31  where
32  love
33  king
34  my
```

jupyter catelyn.txt

File   Edit   View   Languag

```
 1  agree
 2  grace
 3  an
 4  the
 5  these
 6  ten
 7  and
 8  i
 9  come
10  gods
11  grow
12  ned
13  when
14  to
15  many
16  fast
17  wonder
18  have
19  you
20  if
21  they
22  too
23  your
24  but
25  all
26  more
27  outsider
28  here
29  feel
30  times
31  old
32  promise
33  is
34  no
35  me
36  queen
37  how
38  young
39  climbing
40  sorry
41  told
42  do
43  things
44  so
45  years
46  like
47  see
48  such
49  want
50  still
51  love
52  my
53  am
```

```
 1  them
 2  our
 3  went
 4  the
 5  won't
 6  orders
 7  wildlings
 8  head
 9  were
10  to
11  track
12  they
13  tracked
14  should
15  more
16  no
17  trouble
18  we
19  wall
20  us
21  see
22  where
23  back
```

```
 1  someone
 2  our
 3  jon
 4  new
 5  off
 6  boars
 7  would
 8  hunting
 9  an
10  the
11  robert
12  and
13  or
14  of
15  him
16  be
17  i
18  will
19  arryn
20  other
21  with
22  who
23  a
24  life
25  that's
26  long
27  go
28  honor
29  short
30  to
31  by
32  it
33  fucking
34  while
35  choose
```

```
32  it
33  fucking
34  while
35  choose
36  heads
37  he
38  knew
39  didn't
40  if
41  too
42  skewered
43  but
44  way
45  job
46  tell
47  he's
48  whores
49  on
50  their
51  is
52  hand
53  died
54  without
55  days
56  lives
57  city
58  told
59  his
60  know
61  do
62  can
63  both
64  around
65  whatever
66  gates
67  now
68  are
69  king
```

```
1   them
2   the
3   don't
4   and
5   of
6   direwolf
7   will
8   a
9   i'm
10  for
11  were
12  go
13  bran
14  to
15  mother
16  much
17  it
18  what
19  lord
20  watching
21  get
22  father
23  sigil
24  you
25  if
26  your
27  too
28  they
29  have
30  there
31  each
32  children
33  pups
34  father's
35  on
36  is
37  house
38  well
39  did
40  know
41  do
42  stark
43  meant
44  not
45  think
46  one
47  want
48  now
49  are
50  hold
51  five
```

```
 1  grace
 2  an
 3  in
 4  the
 5  these
 6  tough
 7  ten
 8  madman
 9  i
10  better
11  will
12  for
13  yours
14  mother
15  train
16  lord
17  they
18  you
19  northern
20  too
21  tell
22  their
23  swore
24  realm
25  quick
26  men
27  boy
28  protector
29  …
30  king
31  why
32  die
33  at
34  seven
35  direwolf
36  a
37  with
```

```
37  with
38  i'm
39  been
40  had
41  to
42  it
43  it's
44  have
45  passes
46  all
47  sword
48  last
49  about
50  keep
51  eddard
52  is
53  bury
54  we
55  you're
56  do
57  stark
58  both
59  not
60  forever
61  lads
62  understand
63  them
64  andals
65  jon
66  man
67  beast
68  won't
69  and
70  be
71  sees
72  who
73  white
```

```
73   white
74   bran
75   marksman
76   which
77   kill
78   what
79   woods
80   he
81   sentence
82   if
83   there
84   children
85   guarding
86   gone
87   old
88   swing
89   cat
90   no
91   rules
92   me
93   queen
94   house
95   did
96   horses
97   years
98   walkers
99   five
100  feed
101  was
102  north
103  of
104  him
105  winterfell
106  gods
107  arryn
108  winter
109  go
```

```
97   years
98   walkers
99   five
100  feed
101  was
102  north
103  of
104  him
105  winterfell
106  gods
107  arryn
108  winter
109  go
110  get
111  your
112  practicing
113  warden
114  but
115  death
116  should
117  coming
118  lions
119  outsider
120  he's
121  mountain
122  on
123  aye
124  first
125  yourselves
126  without
127  sorry
128  kingdoms
129  oath
130  one
131  thousands
132  saddle
133  are
134  my
```

```
 1  run
 2  right
 3  the
 4  and
 5  i
 6  of
 7  him
 8  better
 9  own
10  a
11  met
12  rest
13  put
14  go
15  south
16  it
17  what
18  good
19  tommy
20  get
21  away
22  he
23  your
24  shave
25  there
26  relax
27  never
28  prick
29  he's
30  on
```

```
15  south
16  it
17  what
18  good
19  tommy
20  get
21  away
22  he
23  your
24  shave
25  there
26  relax
27  never
28  prick
29  he's
30  on
31  than
32  is
33  prince
34  no
35  bow
36  direwolves
37  hair
38  arm
39  girl
40  likes
41  his
42  blade
43  wall
44  hear
45  royal
46  lad
47  are
48  back
```

```
 1  was
 2  at
 3  nine
 4  right
 5  the
 6  man
 7  crack
 8  skulls
 9  i
10  must
11  and
12  burned
13  be
14  him
15  my
16  teach
17  soldier
18  a
19  who
20  take
21  been
22  ned
23  fine
24  show
25  got
26  loved
27  had
28  to
29  much
30  remember
31  16
32  it
33  respects
34  wanted
35  what
36  then
37  he
```

```
36  then
37  he
38  have
39  you
40  your
41  pay
42  haven't
43  minute
44  you'll
45  but
46  never
47  hell
48  here
49  ooh
50  that
51  all
52  girls
53  showed
54  robb
55  muscles
56  cat
57  me
58  through
59  we
60  fuck
61  crypt
62  do
63  us
64  years
65  you've
66  one
67  want
68  …
69  fat
70  where
71  seen
72  whatever
73  why
```

```
 1  run
 2  seem
 3  dead
 4  the
 5  won't
 6  don't
 7  i
 8  say
 9  of
10  behead
11  will
12  he'll
13  a
14  we're
15  to
16  ask
17  south
18  it's
19  it
20  as
21  what
22  good
23  horse
24  get
25  away
26  they
27  your
28  you
29  if
30  have
31  children
```

```
19  it
20  as
21  what
22  good
23  horse
24  get
25  away
26  they
27  your
28  you
29  if
30  have
31  children
32  course
33  on
34  camp
35  is
36  first
37  died
38  how
39  men
40  again
41  do
42  frighten
43  us
44  moved
45  not
46  think
47  thing
48  catch
49  want
50  …
51  back
52  deserter
```

jupyter sansa.txt✔

File Edit View Langua

```
1  thank
2  up
3  please
4  would
5  shut
6  will
7  you
```

jupyter septa_mordane.txt✔

File Edit View Language

```
 1  corners
 2  always
 3  managed
 4  fine
 5  that
 6  the
 7  in
 8  done
 9  detail
10  you've
11  to
12  i
13  as
14  love
15  get
16  well
17  this
18  work
```

Jupyter theon.txt ✔

File   Edit   View   Langua

```
1   right
2   i
3   of
4   orders
5   a
6   with
7   take
8   to
9   it's
10  it
11  he
12  father
13  you
14  your
15  lion
16  freak
17  all
18  give
19  here
20  prick
21  mountain
22  girls
23  gets
24  from
25  his
26  royal
27  those
28  stab
29  not
30  think
31  southern
```

Jupyter waymar_royce.txt ✔

File   Edit   View   Language

```
1   did
2   close
3   get
4   how
5   you
```

File   Edit   View   La

```
 1  them
 2  close
 3  i've
 4  would
 5  in
 6  man
 7  the
 8  killed
 9  a
10  wildlings
11  life
12  even
13  were
14  to
15  it
16  as
17  could
18  this
19  they
20  never
21  children
22  here
23  any
24  did
25  do
26  us
27  not
28  like
29  thing
30  ever
31  whatever
32  seen
33  my
```