
Dictionary of English

X70464_en

Write a program that given a text, lists the words appearing in it grouped by their first letter.

Input

The input is a text, containing no punctuation signs, only letters (either upper or lowercase) and whitespaces.

Output

The output is, for each letter in the alphabet, the list of words in the text starting with that letter, lowercased and sorted alphabetically. Follow the format of the examples

Sample input 1

```
Why do French people eat snails
They dont like fast food
```

```
Why did the golfer wear two pairs of pants
Just in case he got a hole in one
```

```
Why dont the circus lions eat the clowns
Because they taste funny
```

Sample output 1

```
A: a
B: because
C: case circus clowns
D: did do dont
E: eat
F: fast food french funny
G: golfer got
H: he hole
I: in
J: just
K:
L: like lions
M:
N:
O: of one
P: pairs pants people
Q:
R:
S: snails
T: taste the they two
U:
V:
W: wear why
X:
Y:
Z:
```

Sample input 2

```
Let the bird of loudest lay
On the sole Arabian tree
Herald sad and trumpet be
To whose sound chaste wings obey
```

```
But thou shrieking harbinger
Foul precurrer of the fiend
Augur of the fevers end
To this troop come thou not near
```

```
From this session interdict
Every fowl of tyrant wing
Save the eagle featherd king
Keep the obsequy so strict
```

```
Let the priest in surplice white
That defunctive music can
Be the death divining swan
Lest the requiem lack his right
```

```
And thou treble dated crow
```

That thy sable gender makst
With the breath thou givst and takst
Mongst our mourners shalt thou go

Here the anthem doth commence
Love and constancy is dead
Phoenix and the turtle fled
In a mutual flame from hence

Sample output 2

A: a and anthem arabian augur
B: be bird breath but
C: can chaste come commence constancy crow
D: dated dead death defunctive divining doth
E: eagle end every
F: featherd fevers fiend flame fled foul fowl from
G: gender givst go
H: harbinger hence herald here his
I: in interdict is
J:
K: keep king
L: lack lay lest let loudest love
M: makst mongst mourners music mutual
N: near not
O: obey obsequy of on our
P: phoenix precurrer priest
Q:
R: requiem right
S: sable sad save session shalt shrieking so sole sound
T: takst that the this thou thy to treble tree troop t
U:
V:
W: white whose wing wings with
X:
Y:
Z:

Problem information

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