

Task

One classic method for composing secret messages is called a square code. The spaces are removed from the english text and the characters are written into a square (or rectangle). For example, the sentence

"If man was meant to stay on the ground god would have given us roots"

is 54 characters long, so it is written into a rectangle with 7 rows and 8 columns.

```
ifmanwas  
meanttos  
tayonthe  
groundgo  
dwouldha  
vegivenu  
sroots
```

The coded message is obtained by reading down the columns going left to right. For example, the message above is coded as:

```
imtgdvs fearwer mayoogo anouuio ntnnlvt wttddes aohghn sseoau
```

In your program, have the user enter a message in english with no spaces between the words. Have the maximum message length to be 81 characters. Display the encoded message. Display a warning if there is some wrong input.

Primeri:

```
miljanvranic
```

```
milj  
anvr  
anic
```

```
maa inn lvi jrc
```