

# Text Wrap

## Textwrap

The *textwrap* module provides two convenient functions: *wrap()* and *fill()*.

### *textwrap.wrap()*

The *wrap()* function wraps a single paragraph in text (a string) so that every line is *width* characters long at most.

It returns a list of output lines.

```
>>> import textwrap
>>> string = "This is a very very very very long string."
>>> print textwrap.wrap(string,8)
['This is', 'a very', 'very', 'very', 'very', 'long', 'string.']
```

### *textwrap.fill()*

The *fill()* function wraps a single paragraph in text and returns a single string containing the wrapped paragraph.

```
>>> import textwrap
>>> string = "This is a very very very very long string."
>>> print textwrap.fill(string,8)
This is
a very
very
very
very
long
string.
```

## Task

You are given a string *S* and width *w*.  
Your task is to wrap the string into a paragraph of width *w*.

### Input Format

The first line contains a string, *S*.  
The second line contains the width, *w*.

### Constraints

$$0 < len(S) < 1000$$
$$0 < w < len(S)$$

### Output Format

Print the text wrapped paragraph.

### Sample Input

```
ABCDEFGHIJKLMNOQRSTUVWXYZ
4
```

## Sample Output

ABCD  
EFGH  
IJKL  
IMNO  
QRST  
UVWX  
YZ