

# Ruby - Enumerable - collect

Beside simple methods to iterate over objects, Ruby `Enumerable` provides a number of important higher order constructs that we shall explore in further challenges. One of such important methods is `collect` method, also known as `map`.

`map` as the name may suggest, takes a function and maps (applies) it to a collection of values one by one and returns the collection of result.

That is,

$$\text{map}(f(x), [x_1, x_2, x_3, \dots, x_n]) \rightarrow [f(x_1), f(x_2), \dots, f(x_n)]$$

This single powerful method helps us to operate on a large number of values at once.

For example,

```
>>> [1,2,3].map { |x| 2*x }
=> [2, 4, 6]
>>> {:a=>1, :b=>2, :c=>3}.collect { |key, value| 2*value }
=> [2, 4, 6]
```

Note that these methods are different from `each` in the respect that these methods return a **new** collection while former returns the original collection, irrespective of whatever happens inside the block.

In this challenge, your task is to write a method which takes an *array of strings* (containing secret enemy message bits!) and decodes its elements using `ROT13` cipher system; returning an array containing the final messages.

For example, this is how ROT13 algorithm works,

Original text:

```
Why did the chicken cross the road?
Gb trg gb gur bgure fvqr!
```

On application of ROT13,

```
Jul qvq gur puvpxra pebff gur ebnq?
To get to the other side!
```