

Solution Review: List of Cubes

In the following lesson, we will go over the solution for the challenge: List of Cubes

We'll cover the following ^

- Task
- Solution

Task

In this challenge, you were provided a list of integers and you had to create a new list of integers which was composed by the cubes of the original list.

Solution

You were given a list, `integers`. To transform each item of `integers` into its cube form, you had to use the `map()` method.

```
var cubes = integers.map()
```

The cube of an integer is simply that integer multiplied by itself three times.

```
(integer) => integer * integer * integer
```

Finally, the requirement was that the output be a list. For this, you can use the `toList()` method.

```
.toList()
```

Combining all three elements:

```
var cubes = integers.map((integer) => integer * integer * integer).toList();
```

You can find the complete solution below:

You were required to write the code given on **line 3**.

```
main() {  
  var integers = [1,2,3];  
  var cubes = integers.map((integer) => integer * integer * integer).toList();  
  print(cubes);  
}
```



That wraps up our discussion on lists. Let's move on to sets in the next lesson.