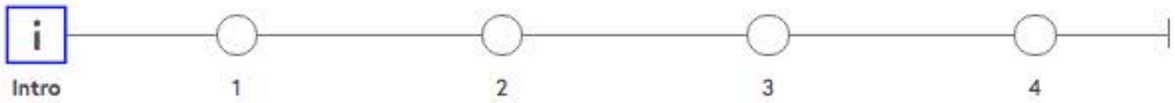
Recap



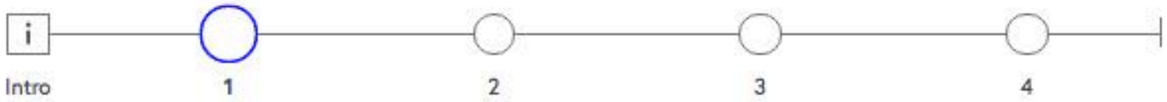
Let's start this concluding activity with a quick recap, for you to test yourself and check your understanding. In this quiz you'll need to recognise higher-order functions (HOFs) - is it a map, filter, reduce, or a combination?

QUIZ RULES

- Quizzes do not count towards your course score, they are just to help you learn
- You may take as many attempts as you wish to answer each question
- You can skip questions and come back to them later if you wish

Begin quiz

Recap



Question 1

Which of these is not an example of a map?

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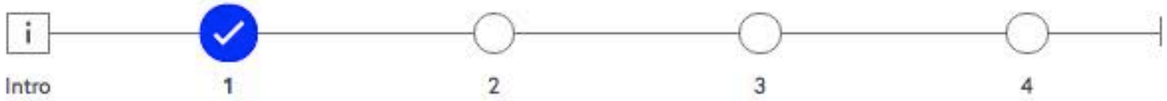
- Replacing all non-printable characters in a string by a space
- Capitalising a string
- Removing the duplicates in string
- Rounding all the numbers in a list to integers

Recap



Question 1

Which of these is not an example of a map?

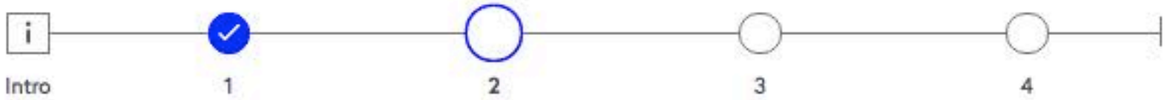
- ○ Replacing all non-printable characters in a string by a space
- ○ Capitalising a string
- ● **Removing the duplicates in string**
- ○ Rounding all the numbers in a list to integers

Correct

Simon Thompson LEAD EDUCATOR

That's right! Removing the duplicates in a string changes the items in the string, typically changing its length.

Recap



Question 2

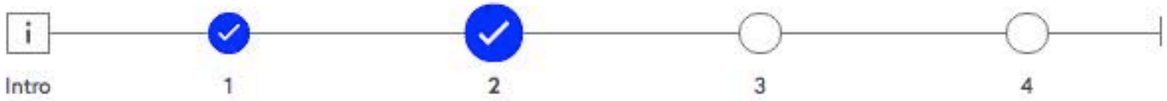
Which of these is not an example of filter?

- ◯ Removing the capital letters in a string
- ◯ Removing the non-printable characters in a string
- ◯ Removing the duplicates in a string
- ◯ Removing the negative numbers in a list

PREVIOUS QUESTION

SKIP QUESTION

Recap



Question 2

Which of these is not an example of filter?

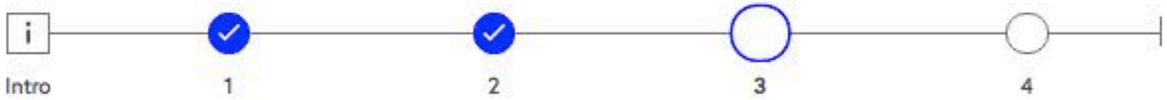
- ○ Removing the capital letters in a string
- ○ Removing the non-printable characters in a string
- ● **Removing the duplicates in a string**
- ○ Removing the negative numbers in a list

Correct

Simon Thompson LEAD EDUCATOR

That's right - because the removal of any element depends on the other elements, and not just the element removed.

Recap



Question 3

Suppose that you have to remove all punctuation and change capital letters to lower case. How could this be implemented?

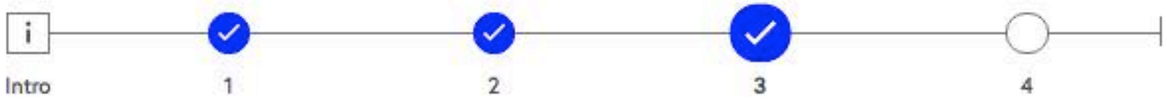
- ◯ map followed by foldr
- ◯ map
- ◯ map followed by filter
- ◯ filter

PREVIOUS QUESTION

SKIP QUESTION

Support

Recap



Question 3

Suppose that you have to remove all punctuation and change capital letters to lower case. How could this be implemented?

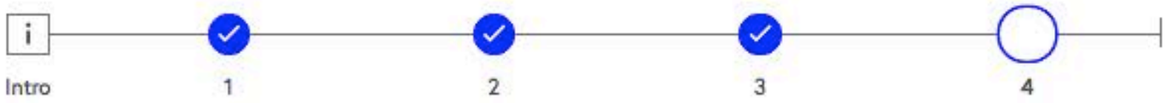
- ○ map followed by foldr
- ○ map
- ● **map followed by filter**
- ○ filter

Correct

Simon Thompson LEAD EDUCATOR

That's right - map followed by filter implements this, though in fact you might well prefer to filter first and then map.

Recap



Question 4

Which of these is a correct statement about patterns?

- ○ map can be implemented using filter
- ○ map can be implemented using foldr
- ○ foldr can be implemented using map
- ○ filter can be implemented using map

PREVIOUS QUESTION

ERLANG 'MASTER CLASSES' VIDEO

Recap

Intro 1 2 3 4

Question 4

Which of these is a correct statement about patterns?

- [ ] map can be implemented using filter
- [x] **map can be implemented using foldr**
- [ ] foldr can be implemented using map
- [ ] filter can be implemented using map

Correct answer

Simon Thompson LEAD EDUCATOR

That's right - map can be implemented using foldr… in fact, all template recursions are implemented by foldr.