

Check-point


Session 4: Object



Init (after 7)

Declare a variable named movie with an object value, containing the following properties:

- title, For example: 'The dark night rises'
- year, For example: 2012
- rate, For example: 8.4



Read (after 9)

Log all of 3 the properties of the movie object to the console using 2 different ways

Log an non-existent property of the movie, director, what is the result?

You can check whether a value is undefined (has no value) or not by using if - else pair for example:

```
if (x == null || x == undefined) {  
    alert('x is null or undefined');  
} else {  
    alert('x has real value');  
}
```

You can test it against:

let x = 5; // has value

Or

let x; // no value or undefined

Now apply it to upgrade Read object, after users enter the property, check whether the property exists, if yes, show them the value, if no, tell them that

127.0.0.1:5500 says

What you want to know?

Cancel OK



127.0.0.1:5500 says

Attack on titans

OK

127.0.0.1:5500 says

What you want to know?

Cancel OK



127.0.0.1:5500 says

'casts' does not exist in our data

OK



Update (after 10)

1. Change the rate of the movie to 8.7
2. Increase the rate of the movie by 0.5

Write a script, asking users what they want to update and what is the update, perform the update and then log out the result

127.0.0.1:5500 says

What you want to update?

Cancel OK



127.0.0.1:5500 says

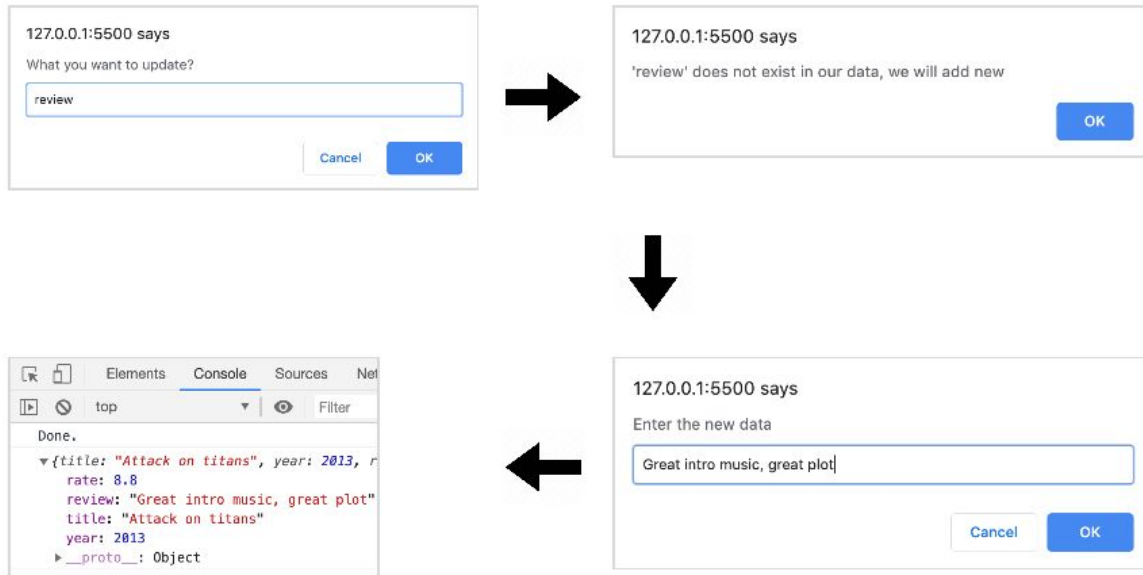
What is the update?

Cancel OK



```
Done. New data:
{title: "ATTACK ON TITANS",
  rate: 8.8,
  title: "ATTACK ON TITANS",
  year: 2013,
  __proto__: Object}
```

Upgrade Update script to check whether the property entered by users exist, if yes, perform as usual, if no, tell them that we will add new and perform create



The rest is the same

Array of Objects (after 4)

- Create an array called movies, containing at least 3 movie data with the same structure all have title, year and rate (you can add more property if you like)
- Print or log out the first movie from movie list
- Print or log out the title of the last movie from movie list
- Use a loop to print or log out all of the movie in the movie list
- Use a loop to print or log out all of the movie in the movie list, the data is prettified as follow

movie

Elements	Console
top	
Attack on titans	
Year: 2013	
Rate: 8.8	
My boss my hero	
Year: 2006	
Rate: 8.2	
Mind hunter	
Year: 2017	
Rate: 8.6	
Manhunt: Unabomber	
Year: 2017	
Rate: 8.1	



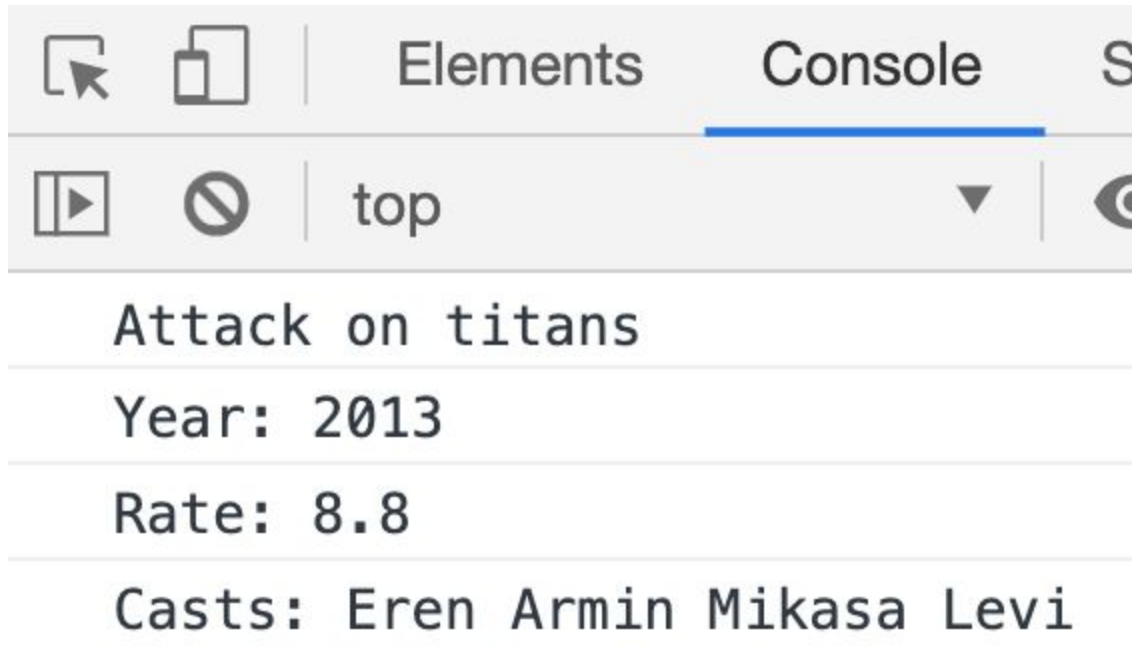
Increase the rate of the last movie in the movies list by 0.7

Object containing array

- Create an object named movie, with title, year and rate and characters. The characters contain at least 3 characters of the movie
- Print or log out the movie data in the following format (Note, remember the spread operator ... for fast logging an array):

Elements	Console
top	
Attack on titans	
Year: 2013	
Rate: 8.8	
Casts: Eren Armin Mikasa	

- Add new cast to the movie and then log it back



Object and Array mix structure

Create an array named `movies`, containing at least three movies, all have title, year, rate and characters properties

Log or print all the movies in the `movies` array, for example

		Elements	Console
		top	▼

Attack on titans			
Year: 2013			
Rate: 8.8			
Casts: Eren Armin Mikasa			

Mind hunter			
Year: 2017			
Rate: 8.6			
Casts: Holden Bill			

Manhunt: Unabomber			
Year: 2017			
Rate: 8.1			
Casts: Ted			

