

THE COMPLETE FRONT-END DEVELOPMENT

SECTION

JAVASCRIPT REVIEW

LECTURE

REST/SPREAD OPERATOR

REST/SPREAD OPERATOR WITH ARRAY

REST OPERATOR

- 👉 we can use it only in the end of destructuring operation.
- 👉 it will automatically create an array which contains all the values that we haven't previously destructured.
- 👉 And that's it [var, var2, **...others**] = myArray

```
1 //rest operator
2 const movie = getMovie(1);
3 const {titles,director,genres} = movie
4
5 const [primaryGenre , secondaryGenre , ...others] = genres
6
7 others // ['advanture' , 'fiction'...]
8 primaryGenre //fantasy
9 secondaryGenre // high-fantasy
```

REST/SPREAD OPERATOR WITH ARRAY

BEFORE WE START

let's say that we want to create a new array that contain all the genres values, and adding new one in the end :

👉 immediately we see that is **not exactly what we want.**

```
1 //before spread operator
2 const movie = getMovie(1);
3 const {titles,director,genres} = movie
4
5 const newGenres = [genres, 'action']
6
7 newGenres // [['fantasy','high-fantasy',...], 'action']
```

REST/SPREAD OPERATOR WITH ARRAY

SPREAD OPERATOR

- 👉 What is bit confusing about this, is the same syntax of the rest operator.
- 👉 We can also used it both on arrays and objects.
- 👉 Spread operator **we use it all the time.**

```
1 //spread operator
2 const movie = getMovie(1);
3 const {titles,director,genres} = movie
4
5 const newGenres = [...genres,'action']
6
7 newGenres // ['fantasy' , 'high-fantasy' ,..., 'action']
```

REST/SPREAD OPERATOR WITH ARRAY

☞ We can also place it in the end of the array.

☞ Adding new values in the beginning of our new array.

☞ **Very helpful** all the time.

```
1 //spread operator
2 const movie = getMovie(1);
3 const {titles,director,genres} = movie
4
5 const newGenres = ['action',...genres]
6
7 newGenres // ['action' , 'fantasy' , 'high-fantasy' ,...]
```

REST/SPREAD OPERATOR WITH OBJECT

BEFORE WE START

let's move on to object where the spread operator is more important, let's say that we need updated movie object that has bookDatePublication prop in it.

👉 immediately we see that is **not exactly what we want.**



```
1  const movie = getMovie(1);
2  const {titles,director,genres} = movie
3
4
5  const updatedMovie = {movie, bookDatePublication : '2005-10-26'}
6  updatedMovie // { movie : {all the old prop}, {bookDatePublication : ...} }
```

REST/SPREAD OPERATOR WITH OBJECT

SPREAD OPERATOR

👉 Allows us to add new properties , and also updating existing ones.

👉 **Very helpful.**

👉 Spread operator **we use it all the time.**

```
1 //spread operator with objects (Adding new prop)
2 const movie = getMovie(1);
3 const {titles,director,genres} = movie
4
5
6 const updatedMovie = {...movie, bookDatePublication : '2005-10-26'}
7 updatedMovie // {all the old props, bookDatePublication : ...}
```

SEE YOU SOON...