

Universidad Tecnológica Nacional

Facultad Regional Rosario

Tecnicatura Universitaria de la Programación



Laboratorio de Computación III

Solucionario Unidad P1.1

Introducción a React y JS moderno

Names

```
let input = [
  { name: "John", age: 21, city: "New York" },
  { name: "Mike", age: 28, city: "Moscow" },
  { name: "Danny", age: 30, city: "London" },
  { name: "Lisa", age: 26, city: "Paris" },
  { name: "Sophie", age: 19, city: "Berlin" },
];

const returnTheNames =
  (inputValue) => inputValue.map((item) => item.name);

console.log(returnTheNames(input));
```

Names and Age

```
1  let input = [
2    { name: "John", age: 21, city: "New York" },
3    { name: "Mike", age: 28, city: "Moscow" },
4    { name: "Danny", age: 30, city: "London" },
5    { name: "Lisa", age: 26, city: "Paris" },
6    { name: "Sophie", age: 19, city: "Berlin" },
7  ];
8
9  const returnTheFilteredNames = (input) =>
10    input
11      .filter((item) => item.age > 20 && item.age < 29)
12      .map((item) => item.name);
13
14  console.log(returnTheFilteredNames(input));
15  |
```

Population

```
1 let countries = [  
2   { name: "Argentina", population: 50000000 },  
3   { name: "France", population: 65000000 },  
4   { name: "Germany", population: 85000000 },  
5 ];  
6  
7 console.log(countries.sort((a, b) => b.population - a.population));  
8
```

Tallest Candle

```
1 const candles = [3, 4, 1, 5, 5, 5, 5];  
2 const maxValue = Math.max(...candles);  
3  
4 const cake = (inputValue) =>  
5   inputValue.filter((candle) => candle == maxValue).length;  
6  
7 console.log(cake(candles));  
8  
9
```

No Respect Class

```
1 const classAttendance = [3, 5, 1, -6, 3, -9, 2];  
2 const attendanceMinimum = 3;  
3  
4 const attendanceCheckReduced = (currentClassAttendance, attendanceMinimum) =>  
5   currentClassAttendance.filter((attendee) => attendee <= 0).length >=  
6   attendanceMinimum  
7   ? "NO"  
8   : "YES";  
9  
10 console.log(cancelClass(classAttendance, attendanceMinimum));  
11
```

To Array

```
1  const objectValue = {  
2    firstName: "Gabriel",  
3    lastName: "Golzman",  
4    age: 27,  
5  };  
6  
7  const toArray = (objectVar) => Object.entries(objectVar);  
8  console.log(toArray(objectValue));
```

Fecha	Versionado actual	Autor	Observaciones
19/08/2023	1.0.0	Gabriel Golzman	Primera versión