Class - 3

Callback function

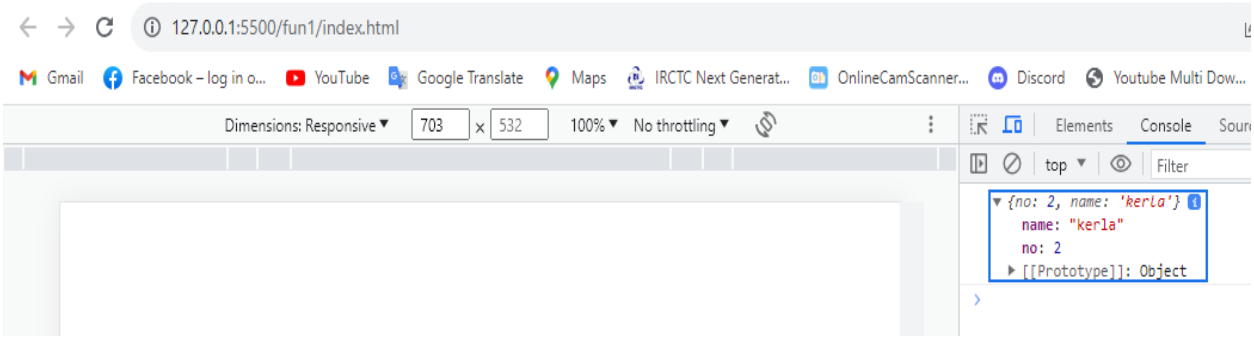
Html code :

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script src="/fun1/index.js"></script>
</body>
</html>
```

JavaScript code :

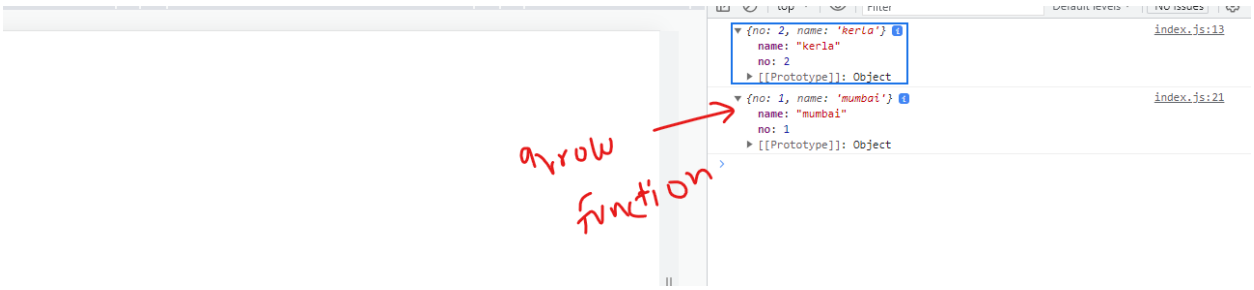
```javascript
//callback function objct mai search karna


let city=[
    {no:1,name:'mumbai'},
    {no:2,name:'kerla'},
    {no:3,name:'goa'}
];

let cityData=city.find(function(cities){
    return cities.name=='kerla';
});

console.log(cityData);
```

output :



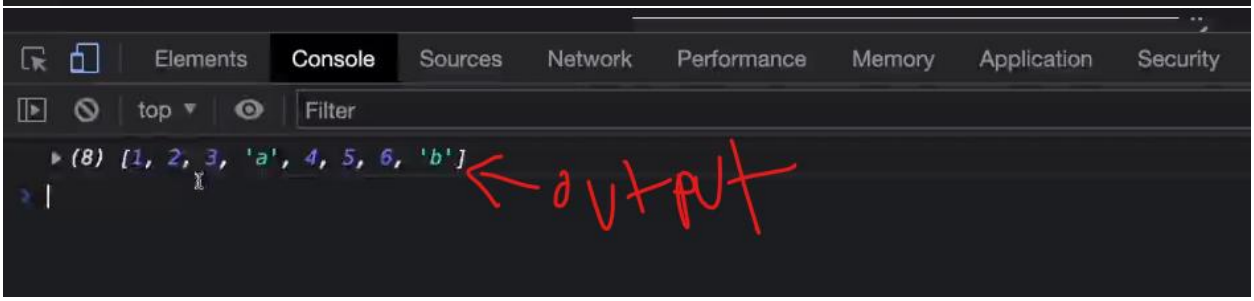
Arrow function

```
//callback function objct mai search karna

let city=[
    {no:1,name:'mumbai'},
    {no:2,name:'kerla'},
    {no:3,name:'goa'}
];

let cityData=city.find(function(cities){
    return cities.name=='kerla';
});

console.log(cityData);


//using arrow function
let cityData2=city.find(cities=>
     cities.name=='mumbai'
);

console.log(cityData2);
```



```
107
108  let first = [1,2,3];
109  let second = [4,5,6];
110
111  let combined = [...first,'a', ...second 'b'];
112  console.log(combined);
113
114
```

spread operator to Add



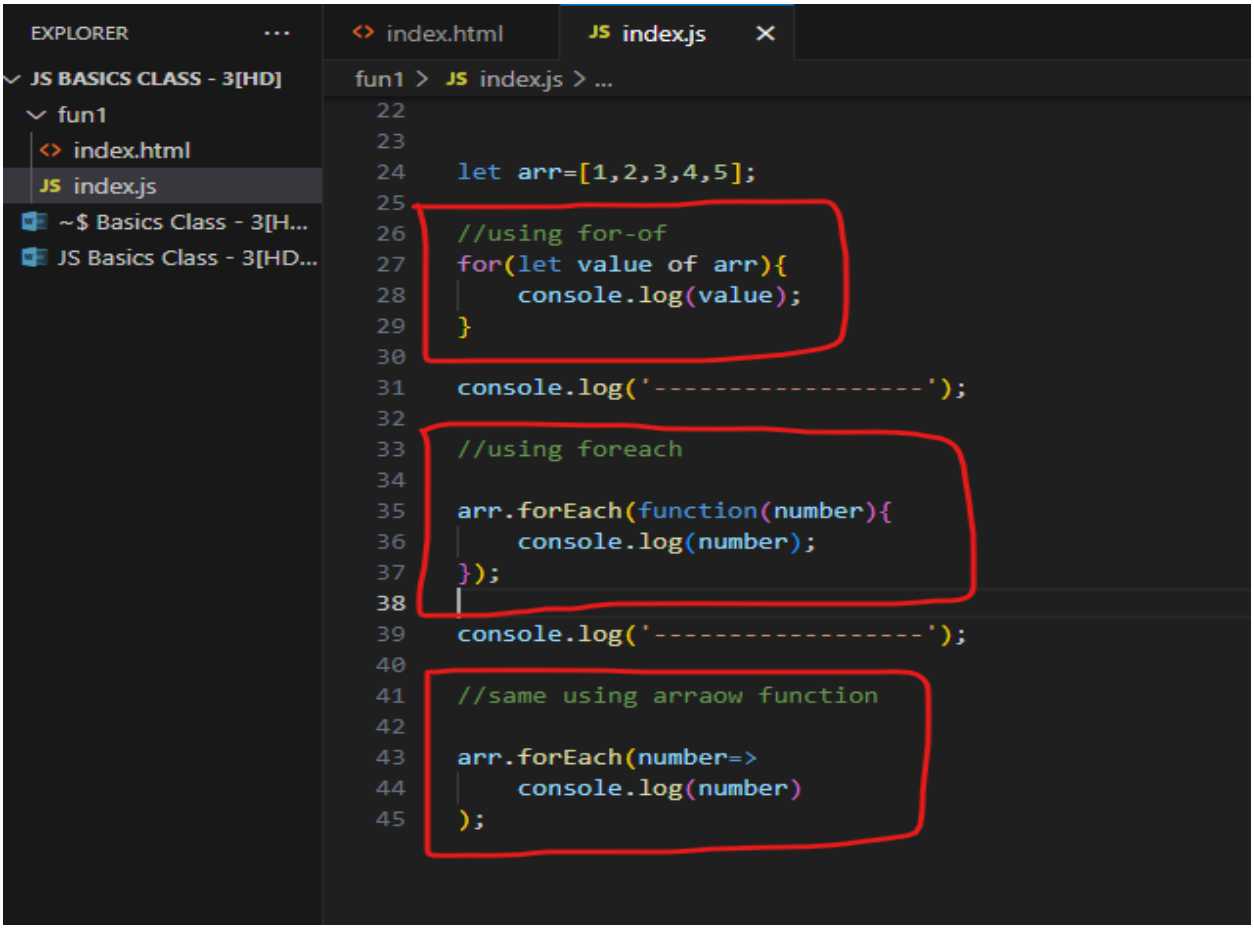

```
111  // let combined = [...first,'a', false, ...second ,'b', true];
112  // console.log(combined);
113
114  // //copy kaise create karu
115  // let another = [...combined];
116
117  let arr = [10,20,30,40,50];
118
119  // for(let value of arr) {
120  //     console.log(value);
121  // }
122
123  arr.forEach(function(number) {
124      console.log(number);
125  });
126
127
128
129
130
```

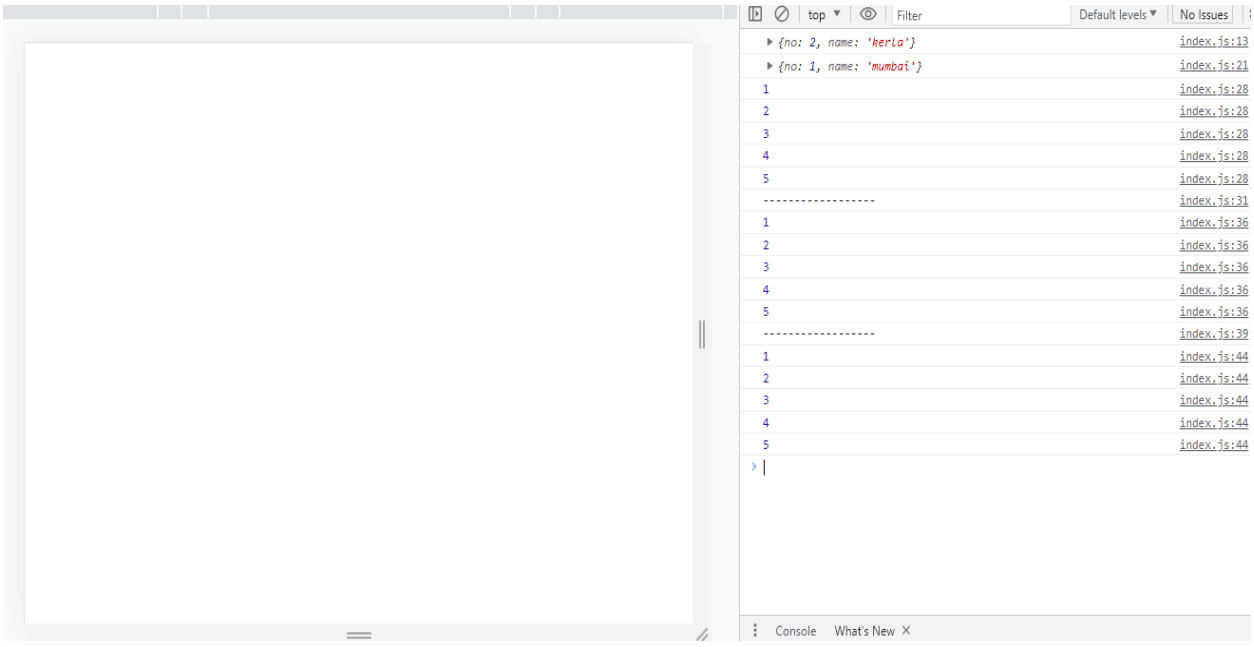
Spread operator

for - of

Foreach

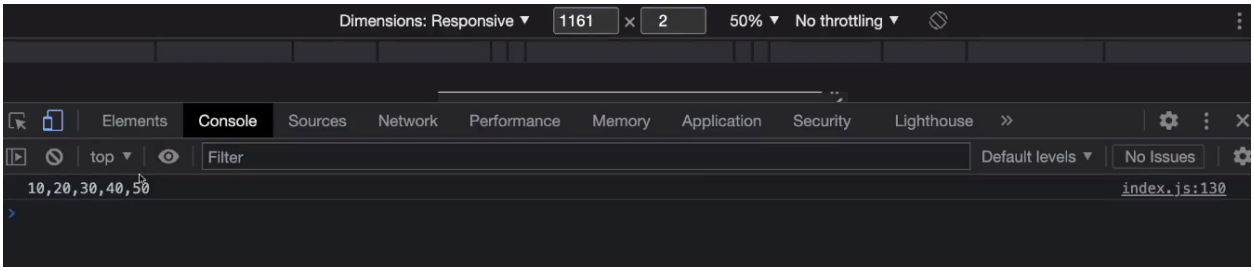
Using foreach





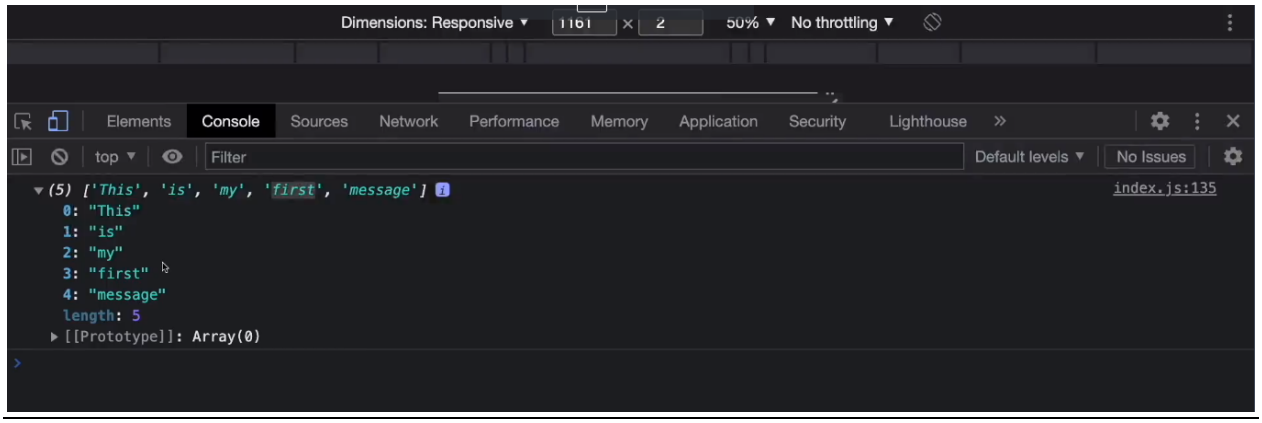
Array join

```
let numbers = [10,20,30,40,50];
const joined = numbers.join(',');

console.log(joined);
```



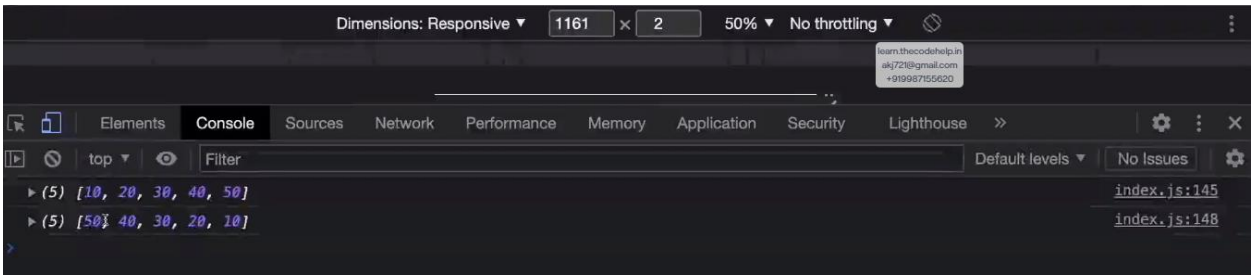
Split: split wala method ek array create kar deta hai

```
let message = 'This is my first message';
let parts = message.split(' ');

console.log(parts);
```



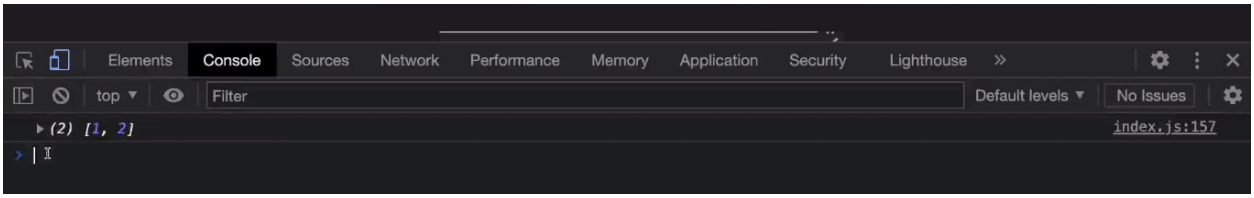
Sort

```
140
141  let numbers = [40,30,10,20,50];
142
143  numbers.sort();
144
145  console.log(numbers);
146
147  numbers.reverse()
148
149
150
```



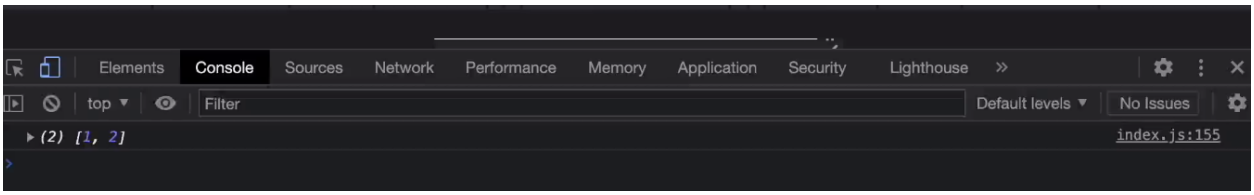
Filter

```
150
151 let numbers = [1,2,-1,-4];
152
153 let filtered =  numbers.filter(function(value) {
154         return value >= 0;
155     });
156
157     console.log(filtered);
158
```



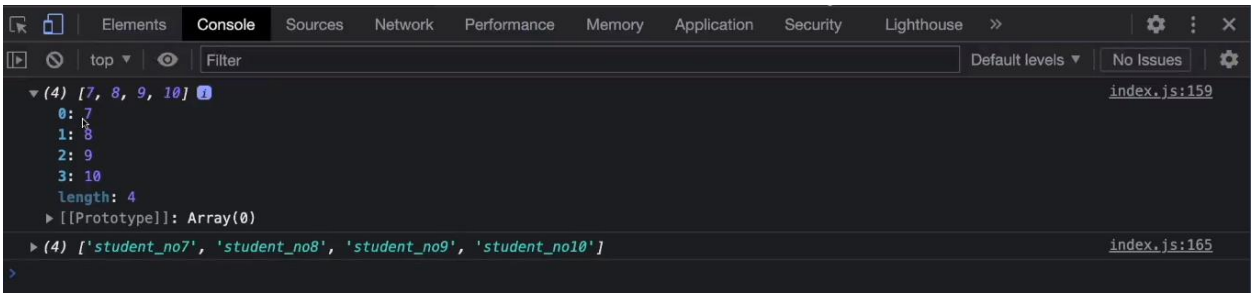

```
151 let numbers = [1,2,-1,-4];
152
153 let filtered =  numbers.filter(value => value >= 0);
154
155     console.log(filtered);
156
157
158
```

Arrow function



Mapping array

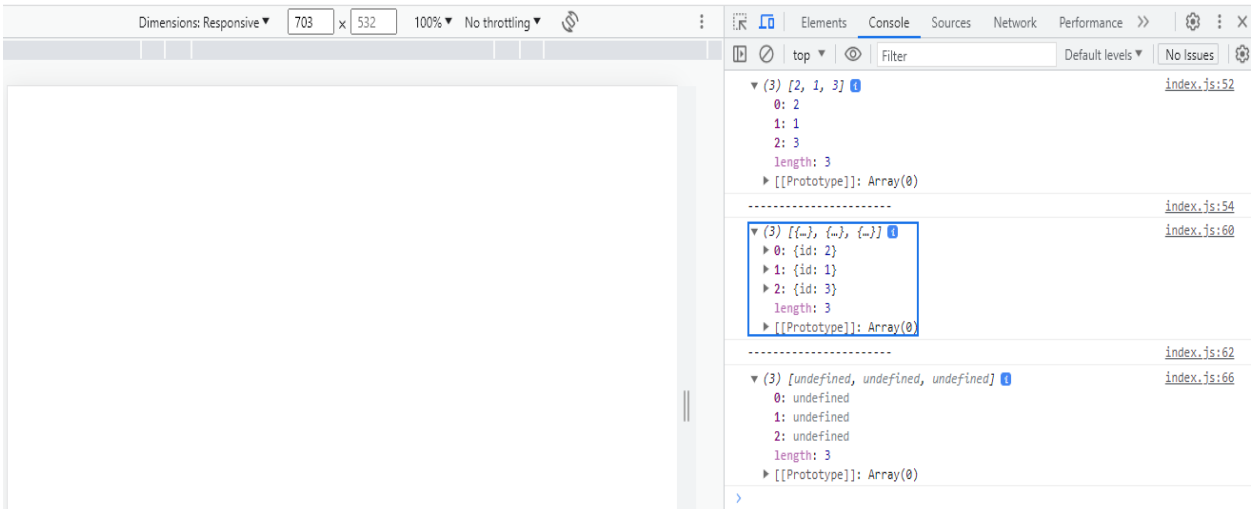
```
158  let numbers = [7,8,9,10];
159
160  let items = numbers.map(function(value) {
161      return 'student_no' + value;
162  })
163
164  console.log(items);
165
```

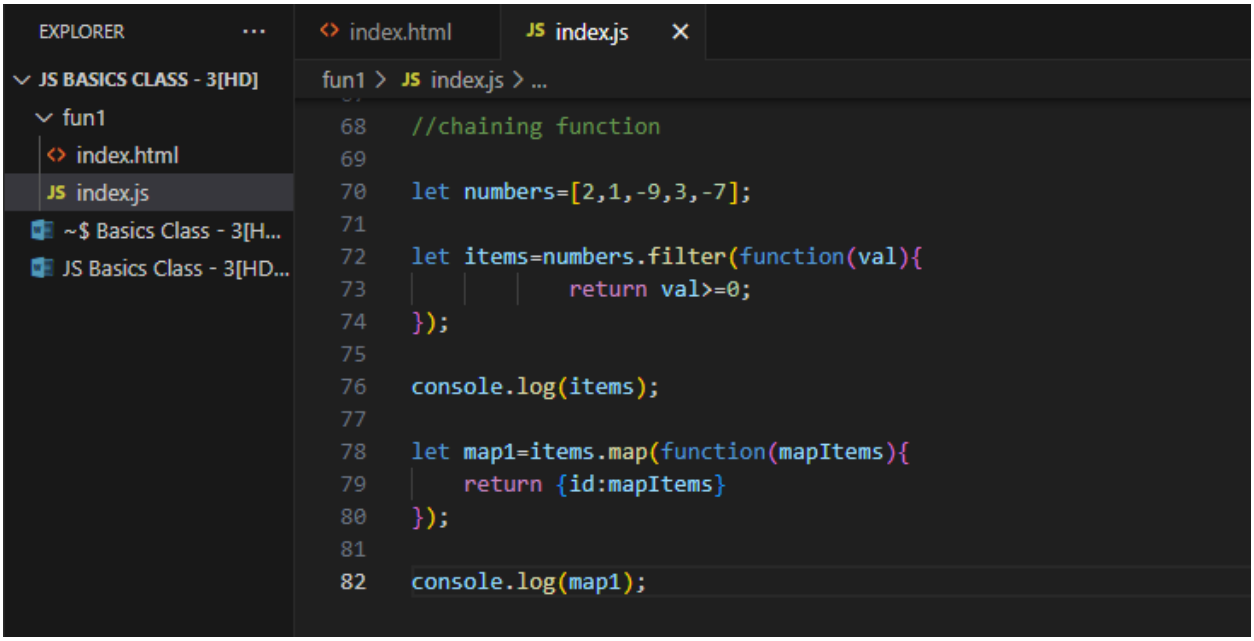


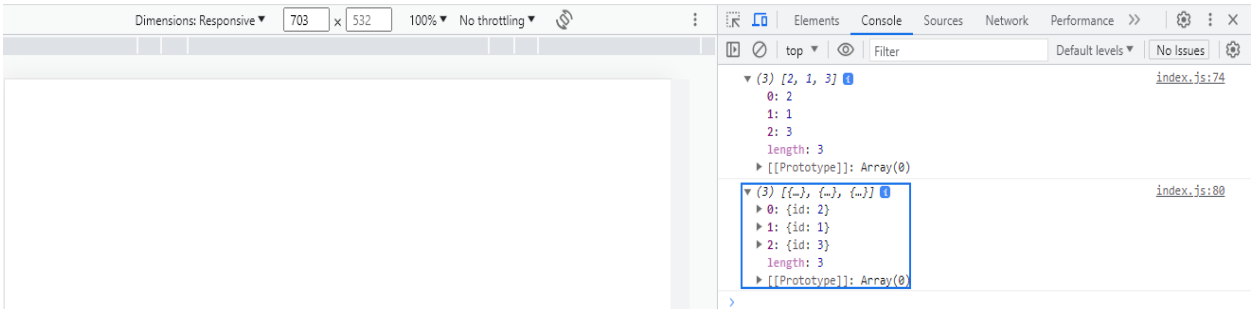

```
158  let numbers = [7,8,9,10];
159  console.log(numbers);
160
161  let items = numbers.map(value => 'student_no' + value);
162
163  console.log(items);
```

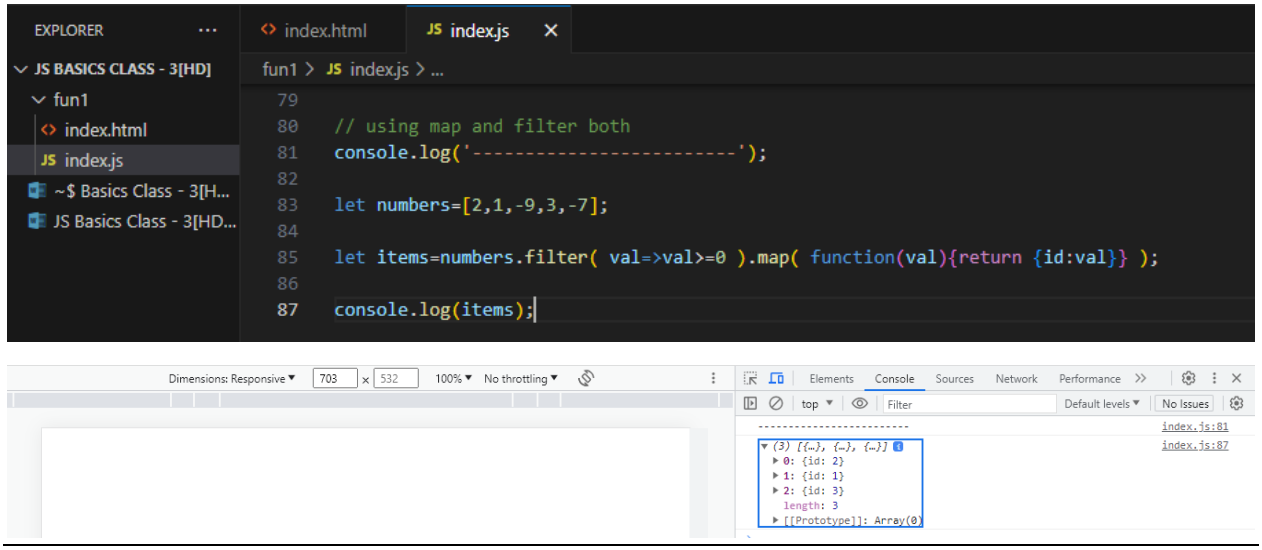
Arrow function

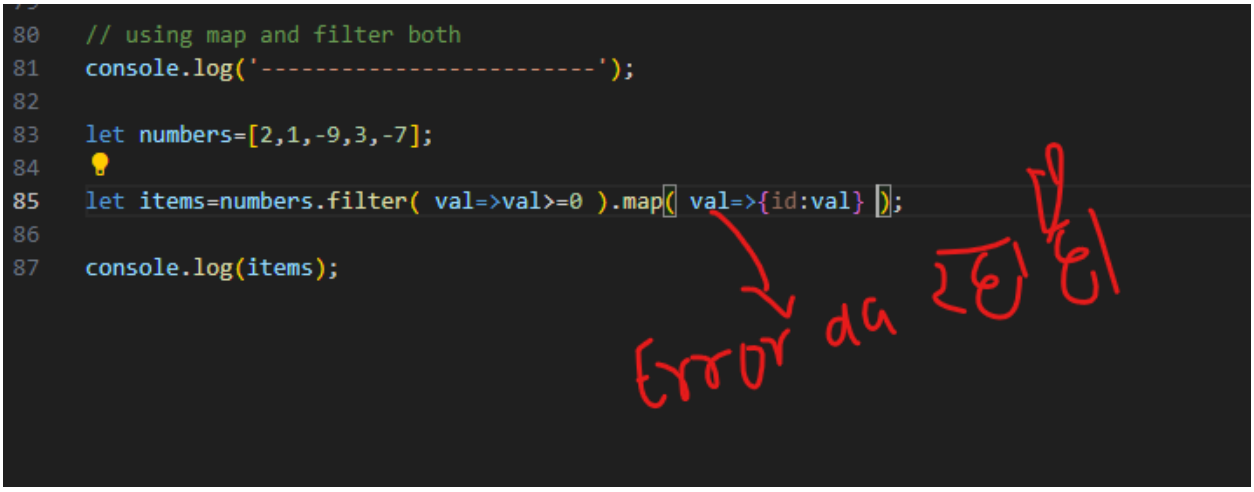
```
//using mapping

let numbers=[2,1,-9,3,-7];

let filteres1=numbers.filter(value=>value>=0);
console.log(filteres1);

console.log('-----------------------');

let map1=filteres1.map(function(val){
    return {id:val};
});

console.log(map1);

console.log('-----------------------');

let map2=filteres1.map(val2=> {id:val2} );

console.log(map2);
```

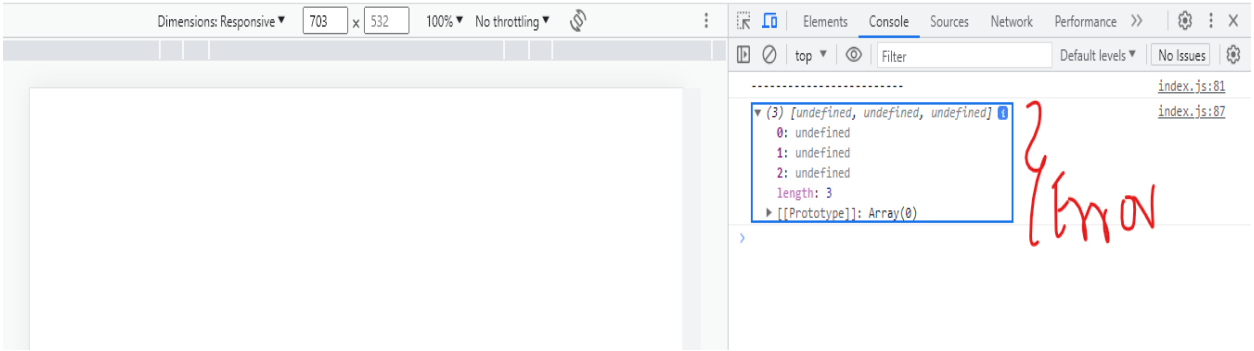



EXPLORER
index.html
index.js
JS BASICS CLASS - 3[HD]
fun1
index.html
index.js
~$ Basics Class - 3[H...
JS Basics Class - 3[HD...
fun1 > index.js > ...
68 //chaining function
69
70 let numbers=[2,1,-9,3,-7];
71
72 let items=numbers.filter(function(val){
73 return val>=0;
74 });
75
76 console.log(items);
77
78 let map1=items.map(function(mapItems){
79 return {id:mapItems}
80 });
81
82 console.log(map1);


Dimensions: Responsive
703
x
532
100%
No throttling
Elements
Console
Sources
Network
Performance
top
Filter
Default levels
No Issues
(3) [2, 1, 3]
index.js:74
0: 2
1: 1
2: 3
length: 3
[[Prototype]]: Array(0)
(3) [{…}, {…}, {…}]
index.js:80
0: {id: 2}
1: {id: 1}
2: {id: 3}
length: 3
[[Prototype]]: Array(0)


EXPLORER
index.html
index.js
JS BASICS CLASS - 3[HD]
fun1
index.html
index.js
~$ Basics Class - 3[H...
JS Basics Class - 3[HD...
fun1 > index.js > ...
79
80 // using map and filter both
81 console.log('------------------------');
82
83 let numbers=[2,1,-9,3,-7];
84
85 let items=numbers.filter(val=>val>=0).map(function(val){return {id:val}});
86
87 console.log(items);
Dimensions: Responsive 703 x 532 100% No throttling
Elements Console Sources Network Performance
top Filter Default levels No Issues
index.js:81
index.js:87
(3) [{...}, {...}, {...}]
0: {id: 2}
1: {id: 1}
2: {id: 3}
length: 3
[[Prototype]]: Array(0)


80 // using map and filter both
81 console.log('------------------------');
82
83 let numbers=[2,1,-9,3,-7];
85 let items=numbers.filter(val=>val>=0).map(val=>{id:val});
87 console.log(items);
Error aa rahi hai


Dimensions: Responsive 703 x 532 100% No throttling
Elements Console Sources Network Performance
top Filter Default levels No Issues
index.js:81
index.js:87
(3) [undefined, undefined, undefined]
0: undefined
1: undefined
2: undefined
length: 3
[[Prototype]]: Array(0)
Error