

```
function forEach(elems, action) {  
  for(i = 0; i < elems.length; i++) {  
    action(elems[i]);  
  }  
}
```

// predicate is a function passed as argument

```
function filter(elems, predicate) {  
  let result = [];  
  forEach(elems, (elem) => {  
    if(predicate(elem)) {  
      result.push(elem);  
    }  
  });  
  return result;  
}
```

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filter (products, $e \Rightarrow e.c$)

```
var products = [
```

```
  { "id": 1, "name": "iPhone", "price": 124447.44, "category": "mobile" },  
  { "id": 2, "name": "Onida", "price": 4444.44, "category": "tv" },  
  { "id": 3, "name": "OnePlus 6", "price": 98444.44, "category": "mobile" },  
  { "id": 4, "name": "HDMI connector", "price": 2444.00, "category":  
    "computer" },  
  { "id": 5, "name": "Samsung", "price": 68000.00, "category": "tv" }  
];
```

var data = { 5, 2, 8, 3, 20 }

↗ ↖

category == 'mobile')

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