

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

```
function map(elems, transformFn) {  
  var result = [];  
  forEach(elems, function(e) {  
    result.push(transformFn(e));  
  });  
  return result;  
}
```

↑

["phone", "mika"]

action

```
var data = [4,3,9,7,6,2];
```

```
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": "compute"},  
  { "id": 5, "name": "Samsung", "price": 68000.00, "category": "tv" }  
];
```



```
var names = map(products, getName);
```



```
function getName(p) {  
  return p.name;  
}
```

$r'' \}$,