```
//map,filter,reduce
const nums = [1, 2, 3, 4];
const multiplyByThree = nums.map((num, i, arr) => {
 return num * 3;
});
const filterEven = nums.filter((num, i, arr) => {
 return num % 2 == 0;
});
const sum = nums.reduce((acc, curr, i, arr) => {
 return acc + curr;
}, 0);
//Polyfill
Array.prototype.myMap = function (cb) {
 let temp = [];
 for (let index = 0; index < this.length; index++) {</pre>
   temp.push(cb(this[index]));
 return temp;
};
Array.prototype.myfilter = function (cb) {
 let temp = [];
 for (let index = 0; index < this.length; index++) {</pre>
   if (cb(this[index], index, this)) {
      temp.push(this[index]);
    }
 return temp;
Array.prototype.myReduce = function (cb, initialValue) {
 var accumulator = initialValue;
 for (let index = 0; index < this.length; index++) {</pre>
    accumulator = accumulator ? cb(accumulator, this[index], index, this) :
this[index];
 return accumulator;
};
let students = [
 { name: "Aman", rollNumber: 31, marks: 80 },
 { name: "Abhishek", rollNumber: 35, marks: 70 },
  { name: "Aviral", rollNumber: 39, marks: 50 },
  { name: "Ashutosh", rollNumber: 43, marks: 60 },
];
console.log(students.map((student) => student.name.toUpperCase()));
console.log(students.filter((student) => student.marks > 60));
console.log(students.filter((stu) => stu.marks > 60 && stu.rollNumber > 32));
console.log(students.reduce((acc, stu) => acc + stu.marks, 0));
```

```
console.log(students.filter((stu) => stu.marks > 60).map((student) =>
student.name));
console.log(
    students
        .map((val) => {
            if (val.marks < 70) {
                val.marks = val.marks + 20;
            }
            return val;
        })
        .filter((stu) => stu.marks > 65)
            .reduce((acc, stu) => acc + stu.marks, 0)
);
```