조준희 배열 연습과제

> 2022.08.23

문제 1

```javascript
let check_list = [true, false, true, false, true];
console.log("before " + check_list);

for (let i=0; i<check_list.length; i++) {
    check_list[i] = check_list[i] === true ? false : true;
}

console.log("after " + check_list)
```

```
[Running] node "c:\Users\korea\java_IV\조준희\08.23배열\연습문제1.js"
before true,false,true,false,true
after false,true,false,true,false
```

문제 2

```javascript
let grade =[75,82,91];
let sum = 0, avg = 0;

for (let i= 0; i<grade.length; i++) {
      sum += grade[i];
      avg = sum / grade.length;
}

avg = avg.toFixed(2);
console.log("총점: " + sum +"점","평균점수: " + avg + "점");
```

```
[Running] node "c:\Users\korea\java_IV\조준희\08.23배열\연습문제2.js"
총점: 248점 평균점수: 82.67점
```

문제 3

```js
let time = [ 7, 5, 5, 5, 5, 10, 7];
let money = 0;

for(let i = 0; i<time.length; i++) {
    if(i<4){
        money += time[i] * 4500;
    } else {
        money += time[i] * 5200;
    }
}

console.log
```

```
[Running] node "c:\Users\korea\java_IV\조준희\08.
23배열\tempCodeRunnerFile.js"
1주일간의 전체 급여: 213400원
```

문제 4,5,6

```js
let price = [38000, 20000, 17900, 17900];
let qty = [6, 4, 3, 5];
let money = 0;
let max = 0;
let count = 0;

for (let i = 0; i<price.length; i++) {
    money += price[i] * qty[i];

    let priceValue = price[i] * qty[i];

    if(max<priceValue){
        max=priceValue;
    }

    if(priceValue>=80000){
        count++;
    }

}

console.log("전체 결재 금액: " + money + "원");
console.log("가장 높은 상품금액: " +max +"원");
console.log("무료배송 항목: " + count + "건");
```

```
[Running] node "c:\Users\korea\java_IV\조준희\08.23배열\연습문제4.js"
전체 결재 금액: 451200원
가장 높은 상품금액: 228000원
무료배송 항목: 3건
```

문제 7

```javascript
let price = [209000, 109000, 119000, 109000, 94000];
console.log("상품가격--> " + price);

for (let i=0; i<price.length-1; i++) {
    for (let j=i+1; j<price.length; j++){
        if (price[i] > price[j]) {
            let tmp = price[i];
            price[i] = price[j];
            price[j] = tmp;
        }
    }
}

console.log("낮은가격순--> " + price);
```

```
[Running] node "c:\Users\korea\java_IV\조준희\08.
23배열\tempCodeRunnerFile.js"
상품가격--> 209000,109000,119000,109000,94000
낮은가격순--> 94000,109000,109000,119000,209000
```

문제 8

```javascript
let arr = [5, 3, 2, 8, 9];
console.log('before--> ' + arr);

for ( let i=0; i< parseInt(arr.length/2); i++) {
    let tmp = arr[i];
    arr[i] = arr[arr.length-i-1];
    arr[arr.length-i-1] = tmp;
}

console.log('after-->' + arr);
```

```
[Running] node "c:\Users\korea\java_IV\조준희\08.
23배열\tempCodeRunnerFile.js"
before--> 5,3,2,8,9
after-->9,8,2,3,5
```

문제 9,10번

```javascript
const student = ["둘리","도우너","또치","희동"];
const grade = [
    [78,89,96],[62,77,67],[54,90,80],[100,99,98]
];
let sum=0, avg=0;

let class_sum=0;

let class_avg=0;

for (let i=0; i<grade.length; i++) {
    sum = 0;

    for (let j=0; j<grade[i].length; j++) {
        sum += grade[i][j];
}
    avg = sum / grade[i].length;
    class_sum += avg;
    avg = avg.toFixed(2);
    console.log(student[i] + " 총점: " + sum + "점, 평균: " + avg + "점");
}
class_avg = class_sum / student.length;
class_avg.toFixed(2);

console.log("반평균=" + class_avg + "점");
```

```
[Running] node "c:\Users\korea\java_IV\조준희\08.23배열\연습문제9.js"
둘리 총점: 263점, 평균: 87.67점
도우너 총점: 206점, 평균: 68.67점
또치 총점: 224점, 평균: 74.67점
희동 총점: 297점, 평균: 99.00점
반평균=82.5점
```