Advanced Programming Techniques HW#1 -- Array methods

1. SORU

Range Metodu

```
function range(start, end,optinal) {
var arr = [];
   if (optinal === undefined) {
       for (let i = start; i <= end; i++) {
         arr.push(i);
    }
6
    return arr;
     }else{
    var ans=start;
    for (let i = start; ans >= end; i--) {
    arr.push(ans);
11
         ans+=optinal;
12
    return arr;
     }
1.5
16 }
```

Sum metodu ve kodun çıktısı

```
18 function sum(array) {
19 let total=0;
      for (let i =0; i < array.length; i++) {
          total+=array[i];
22
     return total;
23
24 }
26 console.log(range(1, 10));
27 // \rightarrow [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
console.log(range(5, 2, -1));
29 // \rightarrow [5, 4, 3, 2]
30 console.log(sum(range(1, 10)));
31 // → 55
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
[5, 4, 3, 2]
```

^{**}İstenen çıktılar elde edildi

2.Soru

Kod ve çıktısı bu şekildedir.

```
> analyze();
(26) ['carrot: 0.0141 16', 'exercise: 0.0686
  e: -0.0808 9', 'nachos: -0.0704 7', 'cycling
    0', 'candy: 0.1296 6', 'dentist: -0.0366 2',
    asagna: 0.0808 9', 'lettuce: -0.0704 7', 'te
     0: "carrot: 0.0141 16"
     1: "exercise: 0.0686 10"
     2: "weekend: 0.1372 30"
     3: "bread: -0.0758 8"
     4: "pudding: -0.0648 6"
     5: "brushed teeth: -0.3805 64"
     6: "touched tree: -0.0808 9"
     7: "nachos: -0.0704 7"
     8: "cycling: -0.0808 9"
     9: "brussel sprouts: -0.0523 4"
     10: "ice cream: -0.0808 9"
     11: "computer: 0.0686 10"
     12: "potatoes: -0.0857 10"
     13: "candy: 0.1296 6"
     14: "dentist: -0.0366 2"
     15: "running: -0.0905 11"
     16: "pizza: 0.0686 10"
     1/: "Work: -0.13/2 60
     18: "beer: -0.0523 4"
     19: "cauliflower: -0.0808 9"
     20: "lasagna: 0.0808 9"
     21: "lettuce: -0.0704 7"
     22: "television: -0.0808 9"
     23: "spaghetti: 0.2425 9"
     24: "reading: 0.1107 7"
     25: "peanuts: 0.5903 13"
     length: 26
    ▶ [[Prototype]]: Array(0)
```

>

3.Soru

weekend work undefined

> JOURNAL.map(e => e.squirrel);

- JOURNAL.map(e => e.squirrel);
- JOURNAL.forEach(e => console.log(e.events.toString()));
- JOURNAL.filter(e => e.squirrel).map(e => e.events).reduce((a, b) => a.concat(b)).filter((e, i, a) => a.indexOf(e) == i).sort().forEach(e => console.log(e));
- (90) [false, false, lse, false, false, false, true, false, false ▶e, false, false, false, false, false, true, false, false, false, false, false, false, false, false, false, false false, se, false] > JOURNAL.forEach(e => console.log(e.events.toString())); carrot, exercise, weekend bread, pudding, brushed teeth, weekend, touched tree carrot, nachos, brushed teeth, cycling, weekend brussel sprouts,ice cream, brushed teeth, computer, weekend potatoes, candy, brushed teeth, exercise, weekend, dentist brussel sprouts, pudding, brushed teeth, running, weekend pizza, brushed teeth, computer, work, touched tree bread, beer, brushed teeth, cycling, work cauliflower, brushed teeth, work pizza, brushed teeth, cycling, work lasagna, nachos, brushed teeth, work brushed teeth, weekend, touched tree lettuce, brushed teeth, television, weekend spaghetti, brushed teeth, work brushed teeth, computer, work lettuce, nachos, brushed teeth, work > JOURNAL.filter(e => e.squirrel).map(e => e.events).reduce((a, b) => a.concat(b)).filter((e, i, a) => a.indexOf(e) == i).sort().forEach(e candy carrot computer exercise lasagna peanuts pizza reading spaghetti