

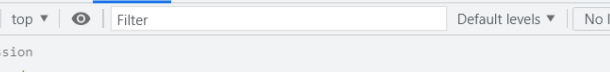
Consider JOURNAL Array in chap4.js

1. Show that each Entry has exactly one of these: 'work' and 'weekend' (use filter() twice)

JavaScript Course Work

Inspector V2.16 [Read me](#) [Turkish](#) [Objects](#)

The screenshot displays the JavaScript console interface. The 'Objects' panel on the left shows a menu with the following items: Menu, Menu Chap4, Menu Chap6, and Menu Quiz. The 'Properties' panel on the right shows the 'Array' object with the following methods: at, concat, copyWithin, entries, every, fill, filter, find, findIndex, flat, and sort. The 'Methods' panel is also visible, showing a list of methods with a search bar containing 'W'.



Elements Console Sources Network Performance Memory »

Filter Default levels ▾ No Issues

X Expression

undefined

```
> w=JOURNAL.filter(x=>x.events.includes("work")).filter(x=>x.events.includes("weekend"))
< ▶ []
```

W ⇒ [inspector.js:33](#)

```
> w=JOURNAL.filter(x=>x.events.includes("weekend")).filter(x=>x.events.includes("work"))
< ▶ [{"id":1,"title":"Weekend work","date":"2023-01-01"}]
```

W ⇒ [inspector.js:33](#)

>

Dosyaları Seç Dosya seçilmedi

2. Make Object cnt that keeps number of each activity: cnt.pizza and cnt['pizza'] will return 10

The screenshot shows the Chrome DevTools interface. The 'Objects' panel on the left lists several menu items: Menu Menu, Menu Chap4, Menu Chap6, Menu Quiz, and an empty array []. The 'Properties' panel on the right shows the prototype chain for an 'Array' (Iterable, Object). Below the panels, the 'Methods' section is expanded, showing various array methods like 'at', 'concat', 'copyWithin', etc. At the bottom, the console shows the command `cnt.pizza` and the result `cnt.pizza => 10`. Below the console, there are buttons for 'Dosyaları Seç' and 'Dosya seçilmedi'.

```
> cnt={}
< ▶ {}

> for(x of JOURNAL) for (e of x.events){ n=cnt[e] || 0; cnt[e]=n+1}; cnt
< ▶ {carrot: 16, exercise: 10, weekend: 30, bread: 8, pudding: 6, ...}

> cnt.pizza
< 10

>
```

3. Make Map map with the same information: map.get('pizza') will return 10

The screenshot shows the Chrome DevTools interface. The 'Objects' panel on the left lists several menu items: Menu Menu, Menu Chap4, Menu Chap6, Menu Quiz, and a Map object. The 'Properties' panel on the right shows the prototype chain for a 'Map' (Iterable, Object). Below the panels, the 'Methods' section is expanded, showing various Map methods like 'clear', 'delete', 'entries', etc. At the bottom, the console shows the command `m` and the result `[object Map] — 1 properties and 10 methods`. Below the console, there are buttons for 'Dosyaları Seç' and 'Dosya seçilmedi'.

```
> m=new Map()
< ▶ Map(0) {size: 0}

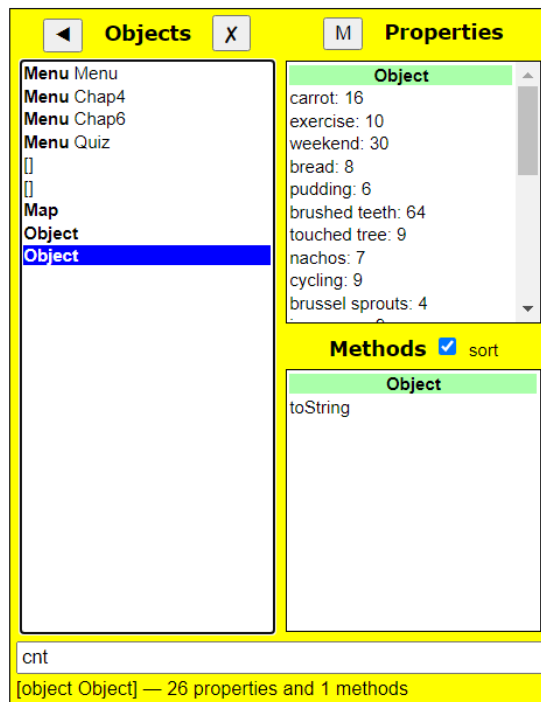
> for(x of JOURNAL) for (e of x.events){ n=m.get(e) || 0; m.set(e,n+1)}; m
< ▶ Map(26) {'carrot' => 16, 'exercise' => 10, 'weekend' => 30, 'bread' => 8, 'pudding' => 6, ...}

m => [object Map] inspector.js:33

> m.get("pizza")
< 10
```

4. Covert map to Object m and check equality:

`m={}; for (k of map.keys()) m[k]=map.get(k)` MENU.deepEqual(m, cnt) will return true



```
> m=new Map()
< ▶ Map(0) {size: 0}

> for(x of JOURNAL) for (e of x.events){ n=m.get(e) || 0;m.set(e,n+1)}; m
< ▶ Map(26) {'carrot' => 16, 'exercise' => 10, 'weekend' => 30, 'bread' => 8, 'pudding' => 6, ...}

m => [object Map] inspector.js:33

> m.get("pizza")
< 10

> t={}; for (k of m.keys()) t[k]=m.get(k)
< 13

t => [object Object] inspector.js:33
_.deepEqual(t, m) => false inspector.js:33
3 ▶ Assertion failed: console.assert inspector.js:71
_.deepEqual(t, cnt) => true inspector.js:33
cnt => [object Object] inspector.js:33

>
```

My t = m
cnt=cnt