

## List of Objects

Text input

Convert

name	age	height	sex
emily	21	165	female
jhon	23	182	male
joe	27	176	male
anne	24	171	female

JSON output

Sample code

```
function toList(str) {
  function toObject(x) {
    let b = {}
    for (let [i,s] of x.split('\t').entries())
      b[keys[i]] = (isNaN(s)? s : Number(s))
    return b
  }
  if (str) inp.value = str
  else str = inp.value
  let [d0, ...data] = str.split('\n')
  let keys = d0.split('\t')
  console.log("Keys:", keys)
  let a = data.map(toObject)
  out.innerHTML = JSON.stringify(a, '', 2)
  console.table(a)
  return a
}
```

```
Elements Console Sources Network Performance Memory Application Security Lighthouse
top Filter
> str = inp.value
< 'name\tage\theight\tsex\nemily\t21\t165\tfemale\njhon\t23\t182\tmale\njoe\t27\t176\tmale\nanne\t24\t171\tfemale'
> [d0, ...data] = str.split('\n')
< (5) ['name\tage\theight\tsex', 'emily\t21\t165\tfemale', 'jhon\t23\t182\tmale', 'joe\t27\t176\tmale', 'anne\t24\t171\tfemale']
> d0
< 'name\tage\theight\tsex'
> data
< (4) ['emily\t21\t165\tfemale', 'jhon\t23\t182\tmale', 'joe\t27\t176\tmale', 'anne\t24\t171\tfemale']
> function toObject(x) {
  let b = {}
  for (let [i,s] of x.split('\t').entries())
    b[keys[i]] = (isNaN(s)? s : Number(s))
  return b
}
< undefined
> a = data.map(toObject)
< (4) [{...}, {...}, {...}, {...}]
> keys = d0.split('\t')
< (4) ['name', 'age', 'height', 'sex']
> a = data.map(toObject)
< (4) [{...}, {...}, {...}, {...}]
> inp
< <textarea id="inp" rows="10" cols="50"></textarea>
> x=a[1]
< {name: 'jhon', age: 23, height: 182, sex: 'male'}
> a.filter(x => x.height>171)
< (2) [{...}, {...}]
  0: {name: 'jhon', age: 23, height: 182, sex: 'male'}
  1: {name: 'joe', age: 27, height: 176, sex: 'male'}
  length: 2
  [[Prototype]]: Array(0)
```

Boyları 171 cm'den uzun olan kişileri bulmak için filtreledim.

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```
top Filter
> a = data.map(toObject)
< (4) [{...}, {...}, {...}, {...}]
> inp
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> x=a[1]
< {name: 'jhon', age: 23, height: 182, sex: 'male'}
> a.filter(x => x.height>171)
< (2) [{...}, {...}]
  0: {name: 'jhon', age: 23, height: 182, sex: 'male'}
  1: {name: 'joe', age: 27, height: 176, sex: 'male'}
  length: 2
  [[Prototype]]: Array(0)
> a.map(x => x.age)
< (4) [21, 23, 27, 24]
  0: 21
  1: 23
  2: 27
  3: 24
  length: 4
  [[Prototype]]: Array(0)
> a.find(x => x.age==27)
< {name: 'joe', age: 27, height: 176, sex: 'male'}
> a.forEach(x => console.log(x.name,x.sex))
emily female
jhon male
joe male
anne female
< undefined
> a.findIndex(x => x.name=="jhon")
< 1
>
```

27 yaşındaki kişiyi buldum = Joe ve jhnun hangi indexte olduğunu buldum ve isim ve cinsiyet kolonlarını yazdım