JavaScript   Course   Work

List of Objects

Text input   [Convert]

```
Goller   buyukluk      sehir
Van golu         3713   Van
Tuz golu         1300   Ankara
Beysehir         565    Isparta
Egirdir 482      isparta
Iznik   308      Bursa
Burdur  200      Isparta
Manyass 180      balikesir
```

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.innerText = JSON.stringify(a, '' ,2)
  console.table(a)
  return a
}
```

Ref: Rest Parameters

```
> str = inp.value
< 'Goller\tbuyukluk\tsehir\nVan golu\t3713\tVan\nTuz golu \t1300\tAnkara\nBeysehir\t565\tIsp
  arta\nEgirdir\t482\tisparta\nIznik\t308\tBursa\nBurdur\t200\tIsparta\nManyass\t180\tbalike
  sir\n'

> [d0, ...data] = str.split('\n')
< (9) ['Goller\tbuyukluk\tsehir', 'Van golu\t3713\tVan', 'Tuz golu \t1300\tAnkara', 'Beyse
  hir\t565\tIsparta', 'Egirdir\t482\tisparta', 'Iznik\t308\tBursa', 'Burdur\t200\tIspart
  a', 'Manyass\t180\tbalikesir', '']

> keys = d0.split('\t')
< (3) ['Goller', 'buyukluk', 'sehir']

> 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)
< (8) [{…}, {…}, {…}, {…}, {…}, {…}, {…}, {…}]

> a.map(x=>x.sehir)
< (8) ['Van', 'Ankara', 'Isparta', 'isparta', 'Bursa', 'Isparta', 'balikesir', undefined]
    ℹ
    0: "Van"
    1: "Ankara"
    2: "Isparta"
    3: "isparta"
    4: "Bursa"
    5: "Isparta"
    6: "balikesir"
    7: undefined
    length: 8
    ▶ [[Prototype]]: Array(0)

> a.filter(x=>x.buyukluk>1000)
< (2) [{…}, {…}] ℹ
    ▶ 0: {Goller: 'Van golu', buyukluk: 3713, sehir: 'Van'}
    ▶ 1: {Goller: 'Tuz golu ', buyukluk: 1300, sehir: 'Ankara'}
    length: 2
    ▶ [[Prototype]]: Array(0)

> a.find(x=>x.buyukluk==1300)
< {Goller: 'Tuz golu ', buyukluk: 1300, sehir: 'Ankara'} ℹ
    Goller: "Tuz golu "
    buyukluk: 1300
    sehir: "Ankara"
    ▶ [[Prototype]]: Object

> a.forEach(x=>console.log(x.Goller,x.sehir))
```

Van golu Van	VM1549:1
Tuz golu Ankara	VM1549:1
Beysehir Isparta	VM1549:1
Egirdir isparta	VM1549:1
Iznik Bursa	VM1549:1
Burdur Isparta	VM1549:1
Manyass balikesir	VM1549:1
0 undefined	VM1549:1

```
< undefined
>
```