JavaScript Cheat Sheet Cheat Sheet

by GATTo via cheatography.com/195334/cs/40894/

Array

Declaration and initialization

```
let array = ['cat', 'dog', 'fish'];
let array2 = new Array(3);
```

Adding an element

```
array[3] = 'dog';
```

Setting a value

```
array[1] = 'cat';
```

Deleting an element

```
delete array[3];
```

Looping

```
array.f  o r E ac  h(f  un c t io  -
n(item) {
    consol  e.l  o g(  item);
}
```

Checking existence of a value

```
array.i nc lud e(' cat');
```

Dictionary

Creation

```
let dict = new Dictio  na ry();
```

Adding an key-value pair

```
dict.a  dd ( ' cat', 10);
```

Setting a value for a key

```
dict.s  et ( ' pe  rce  nt age',
 5.10);
```

Removing a key

```
dict.r  em o v e(  'pe  rc e n t
a  ge');
```

Checking existence of a key

```
dict.h  as K e y(  'fr  eq u e n
cy');
```

Checking existence of a value

```
dict.h  as V a lu  e(10);
```

HashSet

Creation

```
let hashset = new HashSet();
```

Adding an element

```
hashse  t.a  d d(1);
```

Removing an element

```
hashse  t.d  e le  te(1);
```

Checking the existence of an element

```
hashse  t.h  a s(3);
```

HashSet (cont)

Looping

```
let keys = hashse  t.v  a lu  es();
for(let i = 0; i < keys.l  ength; i++
){
    consol  e.l  o g(  key  s[i]);
}
```

List

Creation

```
const list = new List();
```

Adding an element

```
list.a  dd(1);
list.a  dd A t He  ad(0);
```

Removing an element

```
list.r  em o v e(2);
```

Setting a value

```
list.s  et(0, 251);
```

Checking existence of a value

```
list.c  on t a in  s(1);
```

Looping

```
for(let i = 0; i < list.s  ize(); i++
){
    consol  e.l  o g(  lis  t.g  e t(
i));
}
```

Stack

Creation

```
let stack = new Stack();
```

Adding an element

```
stack.p  u s h(1);
```

Fetching top of stack

```
stack.p  e ek();
```

Removing an element

```
stack.p  op();
```

SortedSet

Creation

```
let sortedSet = new Sorted  Set(
);
```

Adding an element

```
sorted  Se t.a d d(3);
```

Removing an element

```
sorted  Se t.d e l et  e(3);
```

SortedSet (cont)

Checking the existence of an element

```
sorted  Se t.h a s(1);
```

Looping

```
for(el  ement in sorted  Se t.t o
 rray) {
    consol  e.l  o g(  ele  ment);
}
```

Queue

Creation

```
let queue = new Queue();
```

Adding an element

```
queue.e  n q u eu  e(1);
```

Fetch of the first element

```
queue.f  r o nt();
```

Removing an element

```
queue.d  e q u eue();
```

Checking the existence of an element

```
queue.c  o n t ai  ns(7);
```

LinkedList

Creation

```
let linkedList = new Linked  Li st
();
```

Adding an element

```
linked  Li s t.a  ppe  nd(1);
linked  Li s t.p  rep  en d(1);
linked  Li s t.a  ddAt(1, 1);
```

Fetch of the head value

```
linked  Li s t.f  etc  hH e ad();
```

Get the value of a node

```
linked  Li s t.g  etA  t(1);
```

Removing an element

```
linked  Li s t.r  emo  ve A t(1);
linked  Li s t.d  ele  te(1);
```

Check existence of a value

```
linked  Li s t.c  ont  ai n s(1);
```

Looping

```
for (const e of linked  List) {
    consol  e.l  o g( e);
}
```

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