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SWIPE >>>



Difference between for-of and for-in

for in statement iterates over the enumerable properties of an object.

for of statement iterates over iterable objects defines to be iterated over.



for-of

It creates a loop iterating over iterable objects including built-in String, Array, Array-like Objects, Map, Set, User define iterable, DOM collections, and function arguments it Accepts two parameter

Variable - A different value is assigned to the variable every time

Iterator - A iterable

Array indexes are just enumerable properties with integer properties with integer names and are otherwise identical to general object properties



JavaScript - for-of.js

```
1  const names = ["foo", "bar", "bazz"];
2  for (let name of names) {
3      console.log(name); //output - foo, bar, bazz
4  }
5  //for in with enumerable
6  for (let key in names) {
7      console.log(key); //output 0, 1, 2
8  }
```




for-in

It iterates over all enumerable properties of an Object that are keyed with string, Ignoring ones keyed by **Symbol()**, including inherited enumerable properties.

Variable - A different property name is assigned to variable every time.

Object - Object whose non-symbol enumerable properties are inherited over.



JavaScript - for-in.js

```
1  const person = {  
2    name: "foo",  
3    mname: "bar",  
4    lname: "bazz",  
5  };  
6  for (let key in person) {  
7    console.log(key); //output name, mname, lname  
8  }
```




JavaScript - for-in.js

```
1  const person = {
2    name: "foo",
3    mname: "bar",
4    lname: "bazz",
5  };
6  //forcefully applying enumerable false to lname property
7  //will only output name and lname
8  Object.defineProperty(person, 'lname', {enumerable:false})
9  for (let key in person) {
10    console.log(key); //output name, mname
11  }
```

forcefully
setting
enumerable
property as
false



Ignoring key
named with
Symbol()



JavaScript - for-in.js

```
1  const person = {
2    name: "foo",
3    mname: "bar",
4    lname: "bazz",
5  };
6  //adding address key as Symbol value
7  //address will not iterate
8  person[Symbol('address')] = 'address '
9  for (let key in person) {
10    console.log(key); //output name, mname, lname
11  }
```




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