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How to create key value array in javascript

Posted on [June 12, 2019](#) | by [Prashant Yadav](#)

Posted in [Arrays](#), [Javascript](#)

Learn how to create a key value [array](#) in javascript.

Arrays in javascript are not like arrays in other programming language. They are just [objects](#) with some extra features that make them feel like an array.

It is advised that if we have to store the data in numeric sequence then use array else use objects where ever possible.

And to create an [associative array](#) with a key value pair it is feasible to use objects only.

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```
let obj = {};  
obj['name'] = 'Prashant Yadav';  
obj['website'] = 'learnersbucket.com';  
obj['age'] = 24;  
obj['hobbies'] = ['writing', 'reading', 'teaching'];  
  
console.log(obj);  
/*  
Object {  
  age: 24  
  hobbies:["writing", "reading", "teaching"]  
  name: "Prashant Yadav"  
  website: "learnersbucket.com"  
}  
*/
```

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There is an inbuilt data structure available in [ES6](#) called [Map](#) which can be used to store the key value pair data.

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Iterating key value array in javascript

We can use the [For...in](#) loop to enumerate through the stored values.

```
for(let key in obj){
  console.log(obj[key]);
}

// "Prashant Yadav"
// "Learnersbucket.com"
// 24
// ["writing", "reading", "teaching"]
```

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As javascript objects can be extended, if you want to loop for the properties owned by the object only then we can restrict it using `hasOwnProperty()` method.

```
for(let key in obj){
  if(obj.hasOwnProperty(key)){
    console.log(obj[key]);
  }
}

// "Prashant Yadav"
// "Learnersbucket.com"
// 24
// ["writing", "reading", "teaching"]
```

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