



## array methods

1. Make a pets array containing 'cat', 'dog' and 'hamster'.

```
// your code
console.log(pets); // ['cat', 'dog', 'hamster']
```

## array.push() adds item(s) to end of array

2. Push 'iguana' into the array.
3. Push 'parrot' into the array in one line.
4. Push 'snake' into the array in one line.

```
// your code
console.log(pets);
// ['cat', 'dog', 'hamster', 'iguana', 'parrot', 'snake']
```

## array.pop() removes item from end of array

5. Remove (pop) the last item, which is 'snake'

```
// your code
console.log(pets);
// ['cat', 'dog', 'hamster', 'iguana', 'parrot']
```

6. Put (push) back 'snake':

```
// your code
console.log(pets);
// ['cat', 'dog', 'hamster', 'iguana', 'parrot', 'snake']
```

7. Do a pop() again, but this time save the return value:

```
// your code
console.log(pets);
// ['cat', 'dog', 'hamster', 'iguana', 'parrot']
```

### **array.unshift() adds item to beginning of array**

8. Add 'bunny' to the beginning of pets array:

```
// your code
console.log(pets);
// ['bunny', 'cat', 'dog', 'hamster', 'iguana', 'parrot']
```

### **\*array.shift() method removes first item of array**

9. Remove 'bunny' from the beginning of the pets array:

```
// your code
console.log(pets);
// ['cat', 'dog', 'hamster', 'iguana', 'parrot']
```

### **array1.concat(array2) combines 2 or more arrays**

10. Combine pets and morePets into the petsGalore array:

```
// given:
const morePets = ['canary', 'gerbil', 'kitten', 'python', 'turtle'];
// combine pets and morePets into a new array, petsGalore:
// your code
// console.log(petsGalore);
// ['cat', 'dog', 'hamster', 'iguana', 'parrot', 'canary', 'gerbil',
'kitten', 'python', 'turtle']
```

### **array.sort() from A-Z**

11. Sort the **petsGalore** array:

```
// your code
// ['canary', 'cat', 'dog', 'gerbil', 'hamster', 'iguana', 'kitten',
'parrot', 'python', 'turtle']
```

### **array.splice(index, count)**

12. remove the first two items, saving them to a variable called twoSplicedPets:

```
// your code
console.log(twoSplicedPets); // ['canary', 'cat']
console.log(petsGalore); // ['dog', 'gerbil', 'hamster', 'iguana',
'kitten', 'parrot', 'python', 'turtle']
```

13. starting at the 4th item in petsGalore, splice 3 items in a row; save the items as threeSplicedPets

```
// your code
// console.log(threeSplicedPets);
// ['iguana', 'kitten', 'parrot']
// console.log(petsGalore);
// ['dog', 'gerbil', 'hamster', 'python', 'turtle']
```

14. Using concat(), restore petsGalore to its original state of 10 pets and sort it from A-Z:

```
// your code
console.log(petsGalore);
// ['canary', 'cat', 'dog', 'gerbil', 'hamster', 'iguana', 'kitten',
'parrot', 'python', 'turtle']
```

15. Make a string connected by & of all items

```
// console.log('petsStr:', petsStr);
// canary & cat & dog & gerbil .. etc.
```

**END: Lab 04.03**

**SEE Lab 04.03 Solution**