

FS_Task02(JavaScript -Array)

Q1:

```
> let practiceFile=[273.15];
   practiceFile.push(42);
   console.log(practiceFile);
   practiceFile.push("hello");
   console.log(practiceFile);
   practiceFile.push(false,-4.6,"87");
   console.log(practiceFile);
```

▶ (2) [273.15, 42]

▶ (3) [273.15, 42, 'hello']

▶ (6) [273.15, 42, 'hello', false, -4.6, '87']

Q2:

```
> let cargoHold=['oxygen tanks', 'space suits', 'parrot', 'instruction
manual', 'meal packs', 'slinky', 'security blanket'];
   cargoHold[5]=['space tether'];
   console.log(cargoHold);
   cargoHold.pop();
   console.log(cargoHold);
   cargoHold.shift();
   console.log(cargoHold);
   cargoHold.unshift(1138);
   console.log(cargoHold);
   cargoHold.push('20 meters');
   console.log(cargoHold);
   console.log(`${cargoHold}`);
   console.log(`${cargoHold.length}`);
```

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▶ (7) ['oxygen tanks', 'space suits', 'parrot', 'instruction manual', 'meal packs', Array(1), 'security blanket']

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▶ (6) ['oxygen tanks', 'space suits', 'parrot', 'instruction manual', 'meal packs', Array(1)]

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▶ (5) ['space suits', 'parrot', 'instruction manual', 'meal packs', Array(1)]

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▶ (6) [1138, 'space suits', 'parrot', 'instruction manual', 'meal packs', Array(1)]

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▶ (7) [1138, 'space suits', 'parrot', 'instruction manual', 'meal packs', Array(1), '20 meters']

1138,space suits,parrot,instruction manual,meal packs,space tether,20 meters

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Q3:

```
> let cargoHold=[1138,'space suits','parrot','instruction manual','meal  
packs','space tether','20 meters'];  
cargoHold.splice(3,0,'keys');  
console.log(cargoHold);  
let i=cargoHold.indexOf('instruction manual');  
console.log(cargoHold);  
cargoHold.splice(i,0);  
console.log(cargoHold);  
cargoHold.splice(2,4,'cat','fob','strind cheese');  
console.log(cargoHold);
```

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```
▶ (8) [1138, 'space suits', 'parrot', 'keys', 'instruction manual', 'meal  
packs', 'space tether', '20 meters']
```

proxyConsoleLog.js:12

```
▶ (8) [1138, 'space suits', 'parrot', 'keys', 'instruction manual', 'meal  
packs', 'space tether', '20 meters']
```

proxyConsoleLog.js:12

```
▶ (8) [1138, 'space suits', 'parrot', 'keys', 'instruction manual', 'meal  
packs', 'space tether', '20 meters']
```

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```
▶ (7) [1138, 'space suits', 'cat', 'fob', 'strind cheese', 'space tether',  
'20 meters']
```

Q4:

```
> let holdCabinet1 = ['duct tape', 'gum', 3.14, false, 6.022e23];  
let holdCabinet2 = ['orange drink', 'nerf toys', 'camera', 42, 'parsnip'];  
holdCabinet1.concat(holdCabinet2);  
console.log(holdCabinet1);  
console.log(holdCabinet1.slice(2,4));  
console.log(holdCabinet1);  
console.log(holdCabinet2.slice(1,3));  
console.log(holdCabinet2);  
holdCabinet1.reverse();  
console.log(holdCabinet1);  
holdCabinet2.sort();  
console.log(holdCabinet2);
```

```
▶ (5) ['duct tape', 'gum', 3.14, false, 6.022e+23] proxyConsoleLog.js:12
```

```
▶ (2) [3.14, false] proxyConsoleLog.js:12
```

```
▶ (5) ['duct tape', 'gum', 3.14, false, 6.022e+23] proxyConsoleLog.js:12
```

```
▶ (2) ['nerf toys', 'camera'] proxyConsoleLog.js:12
```

proxyConsoleLog.js:12

```
▶ (5) ['orange drink', 'nerf toys', 'camera', 42, 'parsnip']
```

```
▶ (5) [6.022e+23, false, 3.14, 'gum', 'duct tape'] proxyConsoleLog.js:12
```

proxyConsoleLog.js:12

```
▶ (5) [42, 'camera', 'nerf toys', 'orange drink', 'parsnip']
```

Q5:

<pre> > let str='In space, no one can hear you code.'; console.log(str.split()); console.log(str.split('e')); console.log(str.split(' ')); console.log(str.split('')); console.log(str); let arr=['B','n','n',5]; console.log(arr.join()); console.log(arr.join('a')); console.log(arr.join(' ')); console.log(arr.join('')); console.log(arr); let str1="water,space suits,food,plasma sword,batteries"; let index=str1.indexOf(','); let newstr=str1.replace(/,/g,''); console.log(newstr); </pre>	
▶ ['In space, no one can hear you code.']	proxyConsoleLog.js:12
▶ (5) ['In spac', ' ', no on', ' can h', 'ar you cod', '.']	proxyConsoleLog.js:12
▶ (8) ['In', 'space', ' ', 'no', 'one', 'can', 'hear', 'you', 'code.']	proxyConsoleLog.js:12
▶ (35) ['I', 'n', ' ', 's', 'p', 'a', 'c', 'e', ' ', ' ', 'n', 'o', ' ', 'o', 'n', ' ', ' ', 'c', 'a', 'n', ' ', 'h', 'e', 'a', 'r', ' ', 'y', 'o', 'u', ' ', 'c', 'o', 'd', 'e', '.']	proxyConsoleLog.js:12
In space, no one can hear you code.	proxyConsoleLog.js:12
B,n,n,5	proxyConsoleLog.js:12
Banana5	proxyConsoleLog.js:12
B n n 5	proxyConsoleLog.js:12
Bnn5	proxyConsoleLog.js:12
▶ (4) ['B', 'n', 'n', 5]	proxyConsoleLog.js:12
waterspace suitsfoodplasma swordbatteries	proxyConsoleLog.js:12

Q6:

<pre> > let periodicTable=[element1=['Hydrogen','H',1.008], element2=['Helium','he',4.003], element26=['Iron','Fe',55.85],]; let table=[]; table.push(element1); table.push(element2); table.push(element26); console.log(table); console.log(table[1]); console.log(table[1][1]); console.log(element1[2]); console.log(element2[0]); console.log(element26[1]); </pre>	
▶ (3) [Array(3), Array(3), Array(3)]	proxyConsoleLog.js:12
▶ (3) ['Helium', 'he', 4.003]	proxyConsoleLog.js:12
he	proxyConsoleLog.js:12
1.008	proxyConsoleLog.js:12
Helium	proxyConsoleLog.js:12
Fe	proxyConsoleLog.js:12

Q7:

```
> let people=["Greg", "Mary", "Devon", "James"];
  for(i=0;i<people.length;i++){
    console.log(people[i]);
  }
  people.shift();
  people.pop();
  people.unshift('Matt');
  people.push("Manoj");
  for(i=0;i<people.length;i++){
    if(people[i]=='Mary')
    {
      break;
    }
    console.log(people);
  }
  let arr=[].concat(people);
  arr.shift();
  arr.shift();
  console.log(arr);
  console.log(people.indexOf("Mary"));
  console.log(arr.indexOf("foo"));
  people=["Greg", "Mary", "Devon", "James"];
  people.splice(2,1,"Elizabeth","Artie");
  let withBob=people.concat("Bob");
  console.log(withBob);
```

Greg

[proxyCor](#)

Mary

[proxyCor](#)

Devon

[proxyCor](#)

James

[proxyCor](#)

► (4) ['Matt', 'Mary', 'Devon', 'Manoj']

[proxyCor](#)

► (2) ['Devon', 'Manoj']

[proxyCor](#)

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[proxyCor](#)

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[proxyCor](#)

[proxyCor](#)

► (6) ['Greg', 'Mary', 'Elizabeth', 'Artie', 'James', 'Bob']