

20L323_JAVA SCRIPT TASK

TASK 1:

```
> let practiceFile=[273.15];
< undefined
> practiceFile;
< ▶ [273.15]
> practiceFile.push(42);
< 2
> practiceFile;
< ▶ (2) [273.15, 42]
> practiceFile.push("hello");
< 3
> practiceFile;
< ▶ (3) [273.15, 42, 'hello']
> practiceFile.push(false,-4.6,"87");
< 6
> practiceFile;
< ▶ (6) [273.15, 42, 'hello', false, -4.6, '87']
```

TASK 2:

```
> let cargoHold=['oxygen tanks','space suits','parrot','instruction manual','meal packs','slinky','security blanket'];
< undefined
> cargoHold[5]='space tether';
< 'space tether'
> cargoHold;
< ▶ (7) ['oxygen tanks', 'space suits', 'parrot', 'instruction manual', 'meal packs', 'space tether', 'security blanket']
> cargoHold.pop();
< 'security blanket'
> cargoHold;
< ▶ (6) ['oxygen tanks', 'space suits', 'parrot', 'instruction manual', 'meal packs', 'space tether']
> cargoHold.shift();
< 'oxygen tanks'
> cargoHold
< ▶ (5) ['space suits', 'parrot', 'instruction manual', 'meal packs', 'space tether']
> cargoHold.unshift(1138);
< 6
> cargoHold.push('20 meters');
< 7
> cargoHold;
< ▶ (7) [1138, 'space suits', 'parrot', 'instruction manual', 'meal packs', 'space tether', '20 meters']
```

TASK 3:

```
> let cargoHold=[1138,'space suits','parrot','instruction manual','meal packs','space tether','20 meters'];
< undefined
> cargoHold.splice(3,0,'krys');
< ▶ []
> cargoHold;
< ▶ (8) [1138, 'space suits', 'parrot', 'krys', 'instruction manual', 'meal packs', 'space tether', '20 meters']
> cargoHold.splice(cargoHold.indexOf('instruction manual'),1);
< ▶ ['instruction manual']
> cargoHold;
< ▶ (7) [1138, 'space suits', 'parrot', 'krys', 'meal packs', 'space tether', '20 meters']
> cargoHold.splice(2,3,...['cat','fob','string cheese']);
< ▶ (3) ['parrot', 'krys', 'meal packs']
> cargoHold;
< ▶ (7) [1138, 'space suits', 'cat', 'fob', 'string cheese', 'space tether', '20 meters']
```

TASK 4:

```
> let holdCabinet1=['duct tape','gum',3.14,false,6.022e23];
< undefined
> let holdCabinet2=['orange drink','nerf toys','camera',42,'parnsnip'];
< undefined
> holdCabinet1.concat(holdCabinet2);
< ▶ (10) ['duct tape', 'gum', 3.14, false, 6.022e+23, 'orange drink', 'nerf toys', 'camera', 42, 'parnsnip']
> holdCabinet1;
< ▶ (5) ['duct tape', 'gum', 3.14, false, 6.022e+23]
> holdCabinet1.slice(2);holdCabinet2.slice(2);
< ▶ (3) ['camera', 42, 'parnsnip']
> holdCabinet1;
< ▶ (5) ['duct tape', 'gum', 3.14, false, 6.022e+23]
> holdCabinet2;
< ▶ (5) ['orange drink', 'nerf toys', 'camera', 42, 'parnsnip']
> holdCabinet1.reverse();holdCabinet2.sort();
< ▶ (5) [42, 'camera', 'nerf toys', 'orange drink', 'parnsnip']
> holdCabinet1;
< ▶ (5) [6.022e+23, false, 3.14, 'gum', 'duct tape']
> holdCabinet2;
< ▶ (5) [42, 'camera', 'nerf toys', 'orange drink', 'parnsnip']
```

TASK 5:

```
> let str='In space, no one can hear you code.';
< undefined
> str.split();
< ▶ ['In space, no one can hear you code.']
> str.split('e');
< ▶ (5) ['In spac', ' ', 'no on', ' ' can h', 'ar you cod', '.']
> str.split(' ');
< ▶ (8) ['In', 'space', ' ', 'no', 'one', 'can', 'hear', 'you', 'code.']
> str.split('');
< ▶ (35) ['I', 'n', ' ', ' ', 's', 'p', 'a', 'c', 'e', ' ', ' ', ' ', 'n', 'o', ' ', ' ', 'o', 'n', 'e', ' ', ' ', 'c', 'a', 'n', ' ', ' ', 'h', 'e', 'a', 'r', ' ', ' ', 'y', 'o', 'u', ' ', ' ', 'c', 'o', 'd', 'e', '.']
> let arr=['B','n','n',5];
< undefined
> arr.join();
< 'B,n,n,5'
> arr.join('a');
< 'Banana5'
> arr.join(' ');
< 'B n n 5'
> arr.join('');
< 'Bnn5'
> str;
< 'In space, no one can hear you code.'
> arr;
< ▶ (4) ['B', 'n', 'n', 5]
```

```
> let str="water,space suits,food,plasma swird,batteries";
< undefined
> let newStr=str.split(',').join(' ');
< undefined
> newStr;
< 'water space suits food plasma swird batteries'
```

TASK 6:

```
> let element1=['hydrogen','H',1.000],element2=['helium','He',4.003],element26=['iron','Fe',55.85];
< undefined
> let table=[];
< undefined
> table.push(element1);table.push(element2);table.push(element26);
< 3
> table;
< ▶ (3) [Array(3), Array(3), Array(3)]
> table[1];
< ▶ (3) ['helium', 'He', 4.003]
> table[1][1];
< 'He'
> table[0][2];
< 1
> table[1][0];
< 'helium'
> tabke[2][1];
✖ ▶ Uncaught ReferenceError: tabke is not defined
  at <anonymous>:1:1
> table[2][1];
< 'Fe'
```

TASK 7:

```
> let people = ["Greg", "Mary", "Devon", "James"];
< undefined
> for(i=0;i<people.length;i++)
  console.log(people[i]);
Greg
Mary
Devon
James
< undefined
> let people = ["Greg", "Mary", "Devon", "James"];
< undefined
> people.splice(people.indexOf('Greg'),1);
< ► ['Greg']
> for(i=0;i<people.length;i++)
  console.log(people[i]);
Mary
Devon
James
< undefined
> let people = ["Greg", "Mary", "Devon", "James"];
< undefined
> people.splice(people.indexOf('James'),1);
< ► ['James']
> for(i=0;i<people.length;i++)
  console.log(people[i]);
Greg
Mary
Devon
< undefined
```

```
> let people = ["Greg", "Mary", "Devon", "James"];
< undefined
> people.unshift('Matt');
< 5
> people;
< ► (5) ['Matt', 'Greg', 'Mary', 'Devon', 'James']
> people.push('Yuvaraj');
< 6
> people;
< ► (6) ['Matt', 'Greg', 'Mary', 'Devon', 'James', 'Yuvaraj']
```

```

> let people = ["Greg", "Mary", "Devon", "James"];
< undefined
> for(i=0;i<people.length;i++){
  console.log(people[i]);
  if(people[i]=== 'Mary')
    break;
}
Greg
Mary
< undefined
> let peopleCopy=[];
< undefined
> for(i=0;i<people.length;i++){
  if(people[i]!== 'Mary' && people[i]!== 'Matt')
    peopleCopy.push(people[i]);
}
< 3
> peopleCopy;
< ▶ (3) ['Greg', 'Devon', 'James']
> people.indexOf('Mary');
< 1
> people.indexOf('Foo');
< -1

```

```

> let people=["Grey","Mary","Devon","James"];
< undefined
> people.splice(people.indexOf('Devon'),1,...['Elizabeth','Artie']);
< ▶ ['Devon']
> people;
< ▶ (5) ['Grey', 'Mary', 'Elizabeth', 'Artie', 'James']
> let withBob=people.concat(...['Bob']);
< undefined
> withBob;
< ▶ (6) ['Grey', 'Mary', 'Elizabeth', 'Artie', 'James', 'Bob']

```