Ternary operator:

```
var number = 5;
number > 0 ? "positive" : "negative"
```

IIFE (Immediately Invokable Function Expressions):

Without parameter →

```
//syntax of Immediately Invokable Function Expressions
(function newFunction(){
    document.write("Hello");
})();
```

With parameter →

```
//syntax of Immediately Invokable Function Expressions
(function newFunction(message) {
    document.write(message);
})("Hello");
```

Multiple parameters →

```
//syntax of Immediately Invokable Function Expressions
(function newFunction(a,b){
    document.write(a+b);
})(2,5);
```

Function Expressions:

```
var functionone = function newFunction(msg){
    document.write(msg);
}
functionone("Hello, I am learning javascript");
```

Array methods:

- **Array_variable_name.push (element)** → pushes new element at the last index of the array list.
- **Array_variable_name.pop ()** → removes the last element from the array
- **Array_one.concat (Array_two)** → Array_two will be concatenated with Array_one
- **Array_variable_name.shift ()** → first element of the array will be removed
- **Array_variable_name.unshift (element)** → pushes new element at the first index of the array list.
- **Array_name.sort ()** → only works for alphabets directly but not for numbers

```
var numbers = [20, 3,8,6,100, 32]
numbers.sort(function(a,b){
    return a-b;
});

for(var i=0; i<numbers.length; i++){
    document.write(numbers[i]);
    document.write(" ");
}
```

This method will automatically sort the numbers incrementally. In the sort () function here, we have used an anonymous function which will return the value of a-b. If the value of (a-b) is positive then the value of a will be replaced by the value of b. Otherwise, no replacement will be done.

Decrement order sorting:

```
var numbers = [20, 3,8,6,100, 32]
numbers.sort(function(a,b){
    return b-a;
});

for(var i=0; i<numbers.length; i++){
    document.write(numbers[i]);
    document.write(" ");
}
```