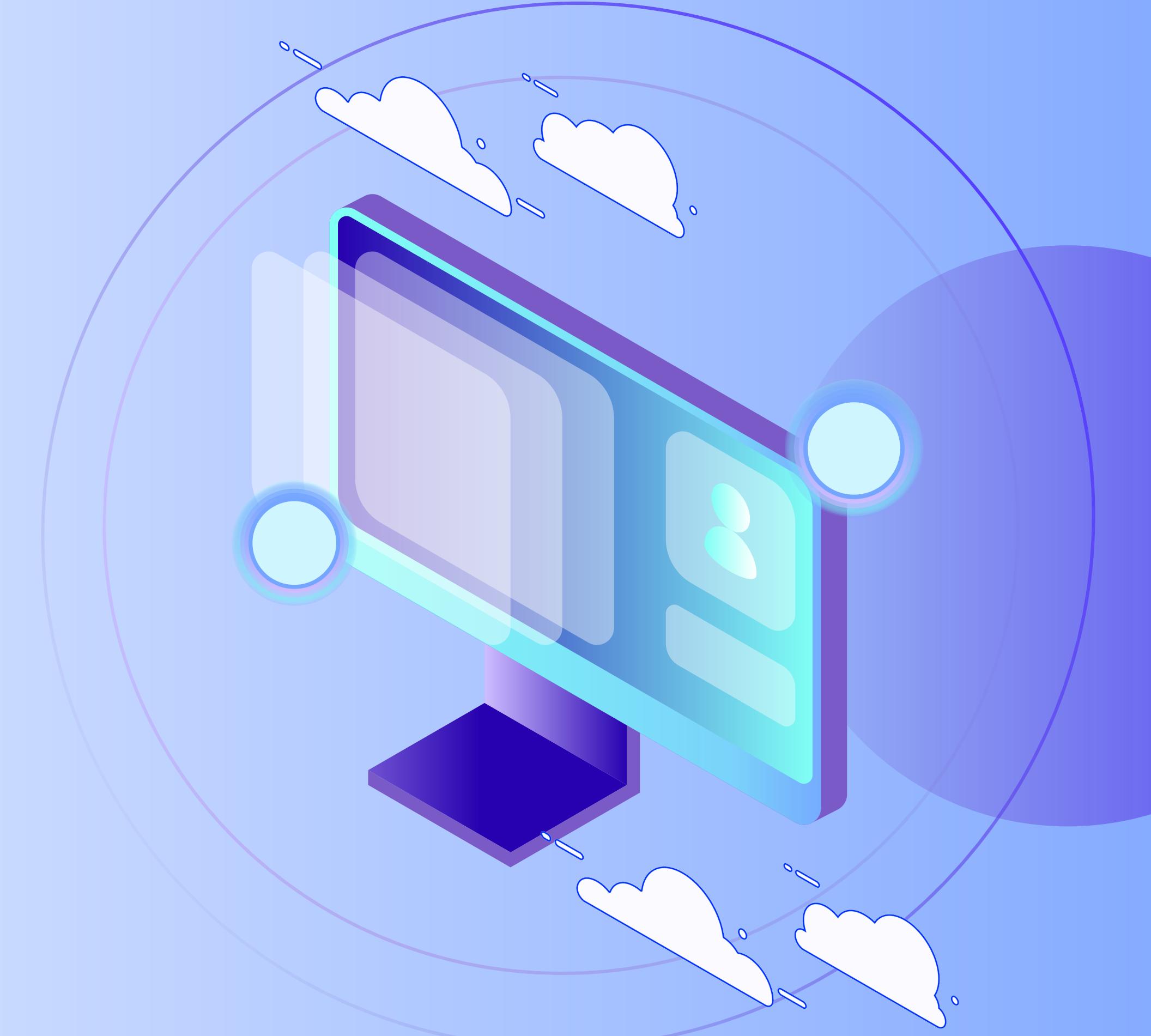




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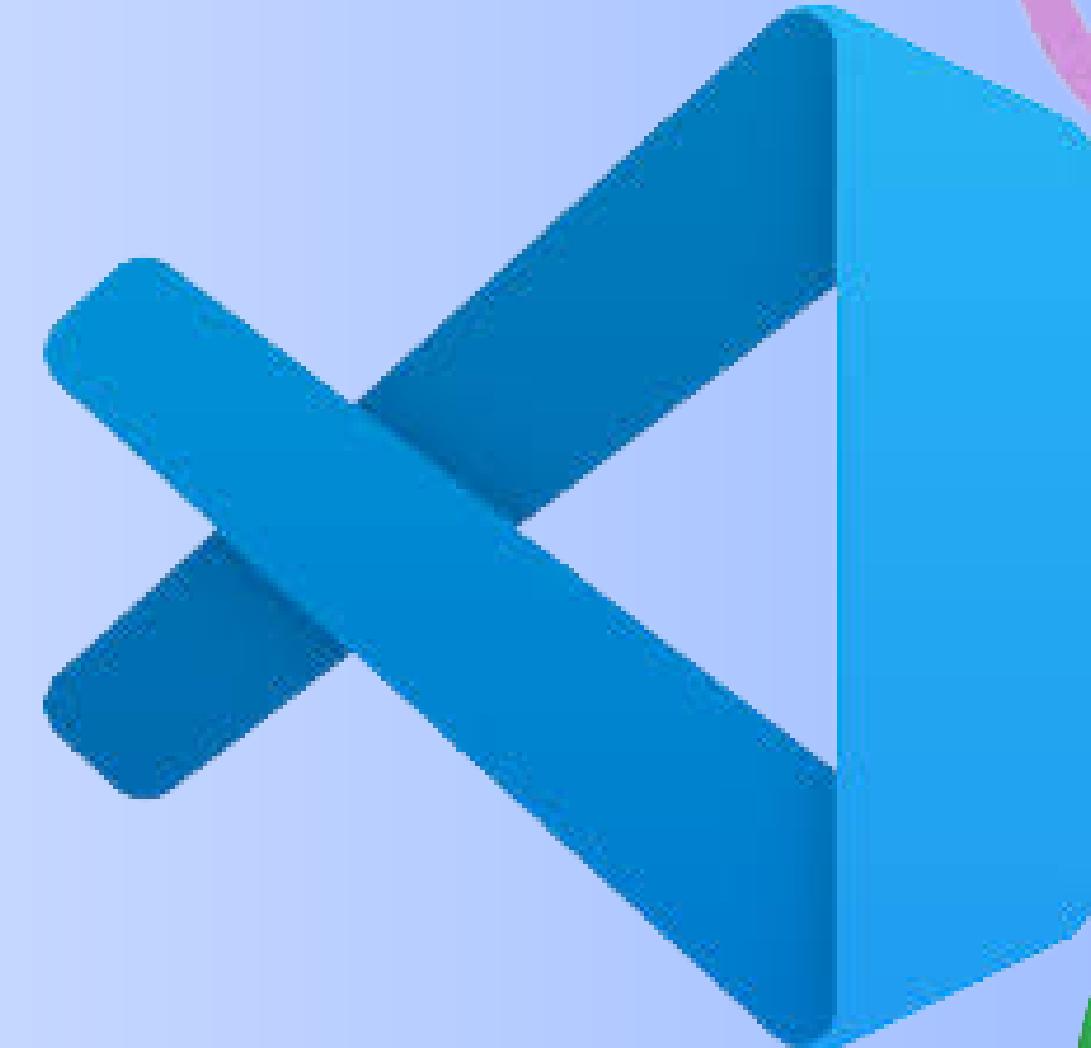
JAVASCRIPT SYNTAX





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CODE EDITOR





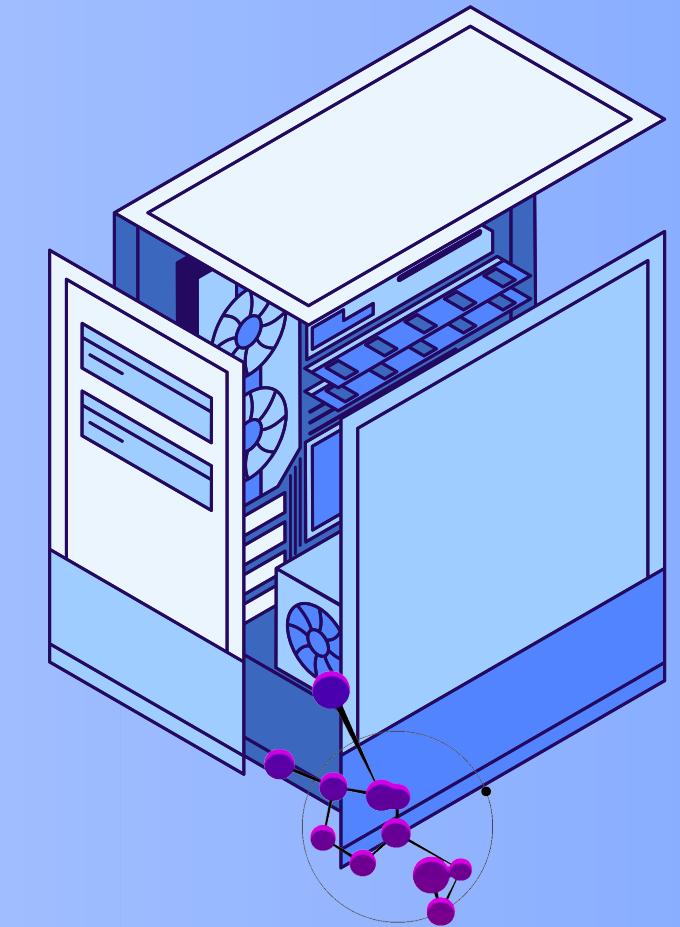
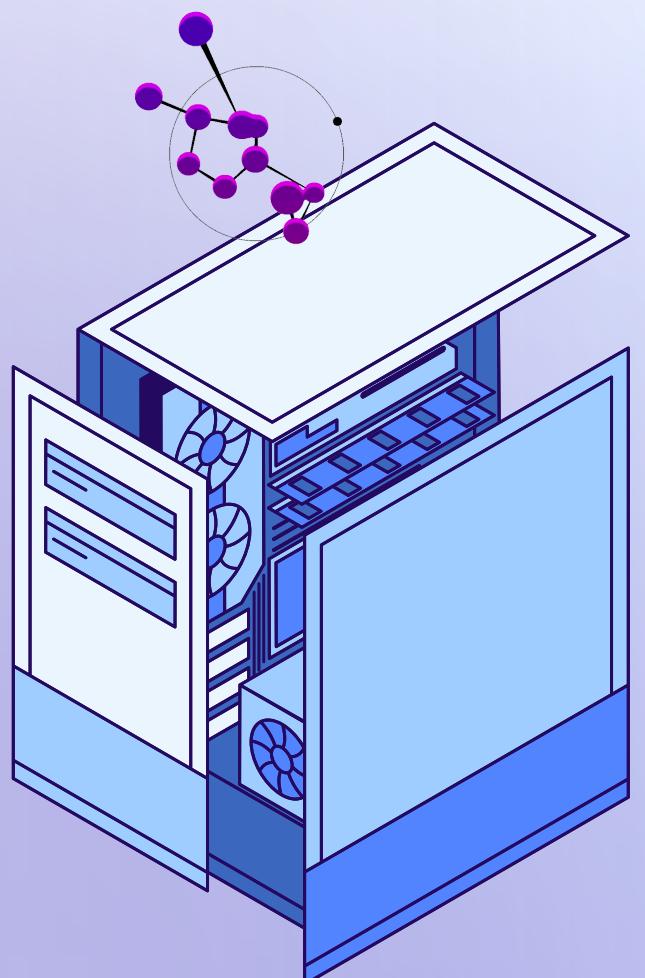
VARIABLE

var varname = val;

Example:

var name = "Kelvin";

var age=20;



DATATYPE



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```
// primitive type  
var num=23; //Number  
var string="hello"; //String  
var boolean=true; //Boolean  
var undef; //Undefine  
var nullValue=null; //Null  
//Array  
var languages = [  
  'C',  
  'Javascript',  
  'Python'  
];
```

DATATYPE



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```
// complex type  
// function  
var myFunction = function() {  
    console.log('hello');  
};  
// object  
var myObject = {  
    name: 'Kelvin',  
    age: 20,  
    job: 'student'  
};
```



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CONDITIONAL STATEMENTS

```
var a=4,b=7;  
if(a+b==11)  
    console.log("equal");  
else  
    console.log("not equal");
```

Output:
equal





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CONDITIONAL STATEMENTS

```
switch(expression)
{
    case val: ... ;
    break;
    case val: ... ;
    break;
    ...
    default: ...;
}
```





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LOOPINGS - FOR

```
var sum = 0;  
for (var i = 1; i <= 10; i++) {  
    sum += i;  
}
```



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LOOPINGS - WHILE

```
var sum = 0; var i = 1;  
while (i <= 10) {  
    sum += i;  
    i++;  
}
```



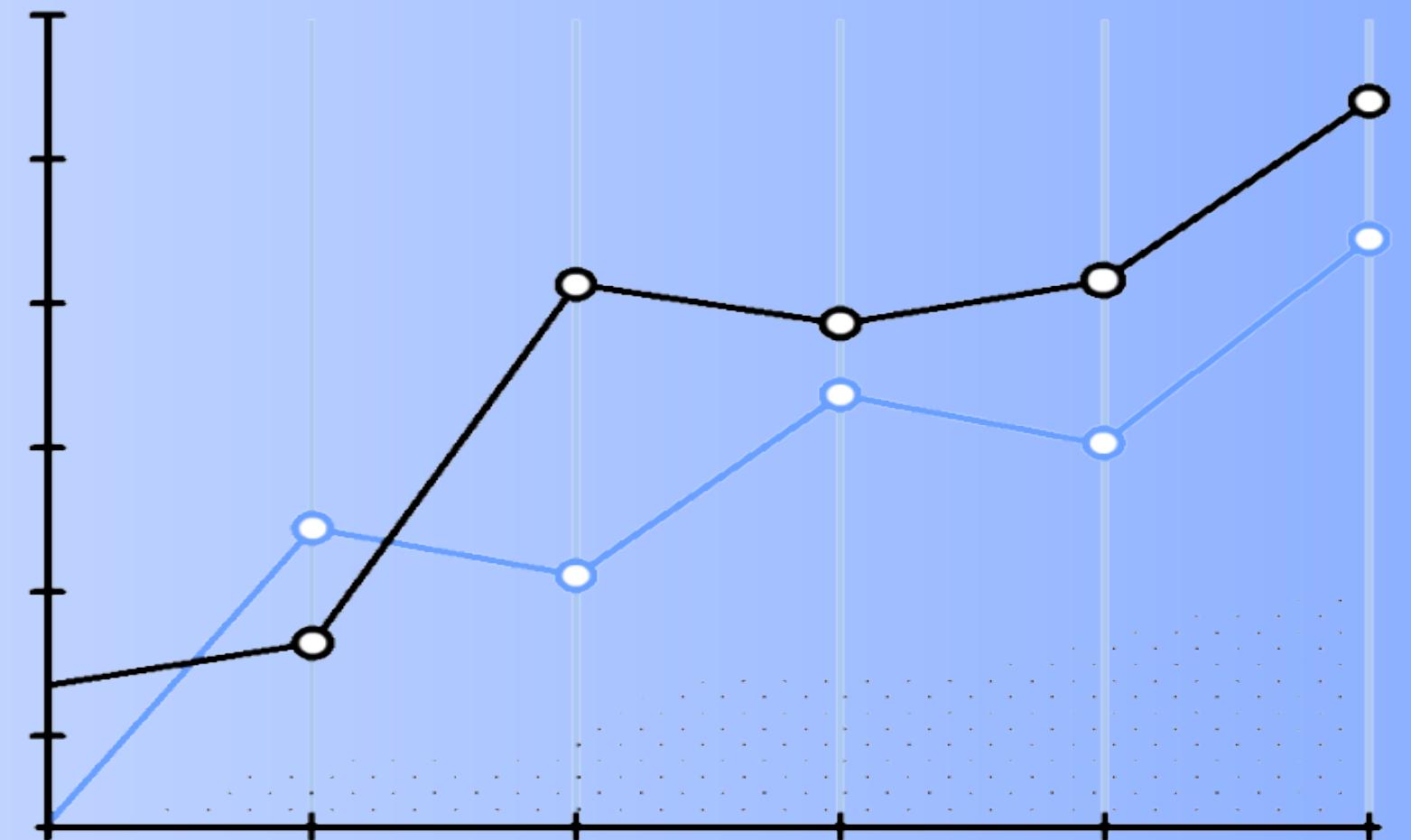
FUNCTION

```
function solveLinearEquation(a, b) {  
    if (a === 0) {  
        if (b === 0) {  
            return 'The equation has infinitely many  
solutions';  
        } else {  
            return 'The equation has no solution';  
        }  
    } else {  
        const x = -b / a;  
        return `The solution is x = ${x}`;  
    }  
}
```

```
// call  
console.log(solveLinearEquation(2, -4));
```



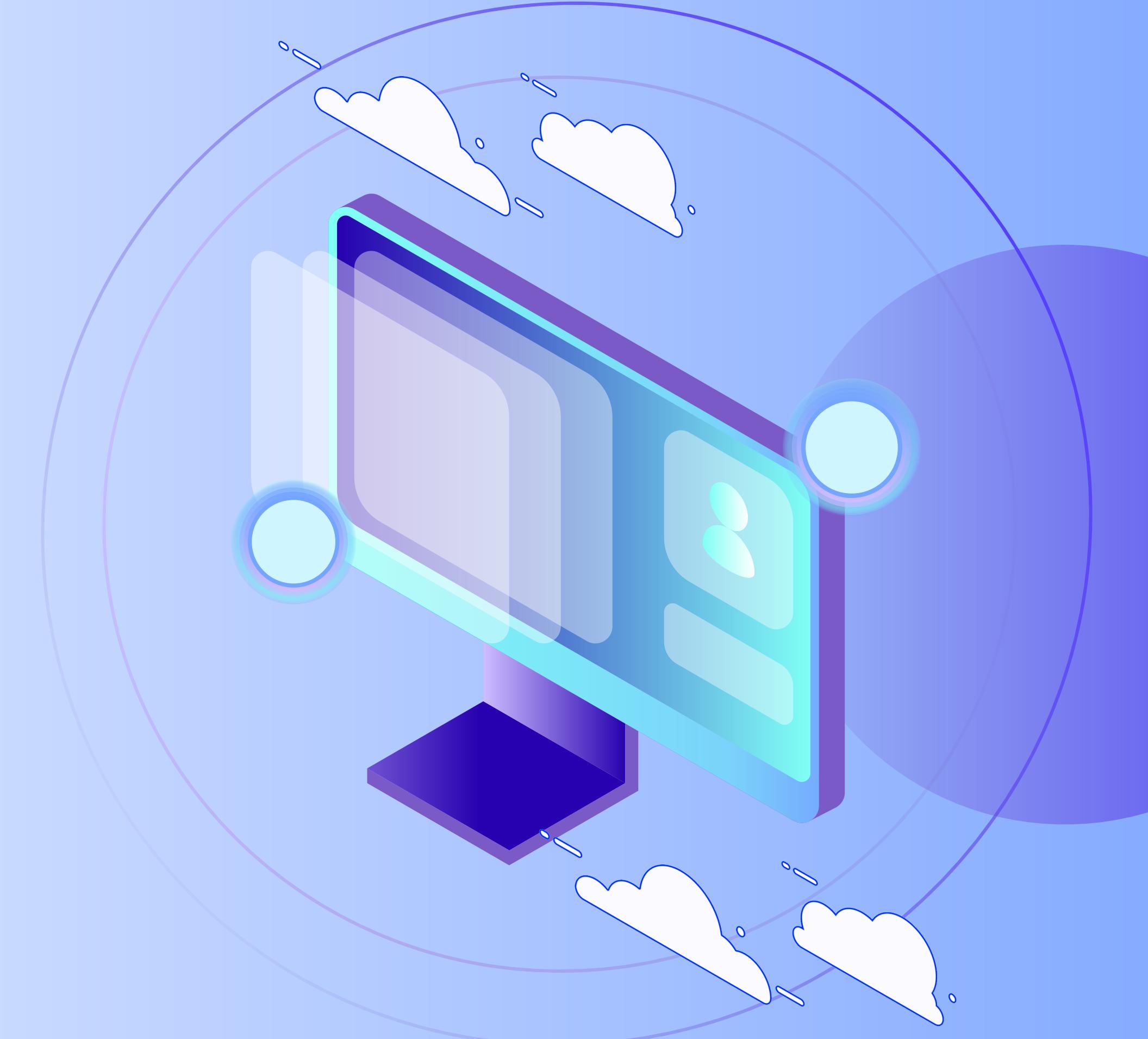
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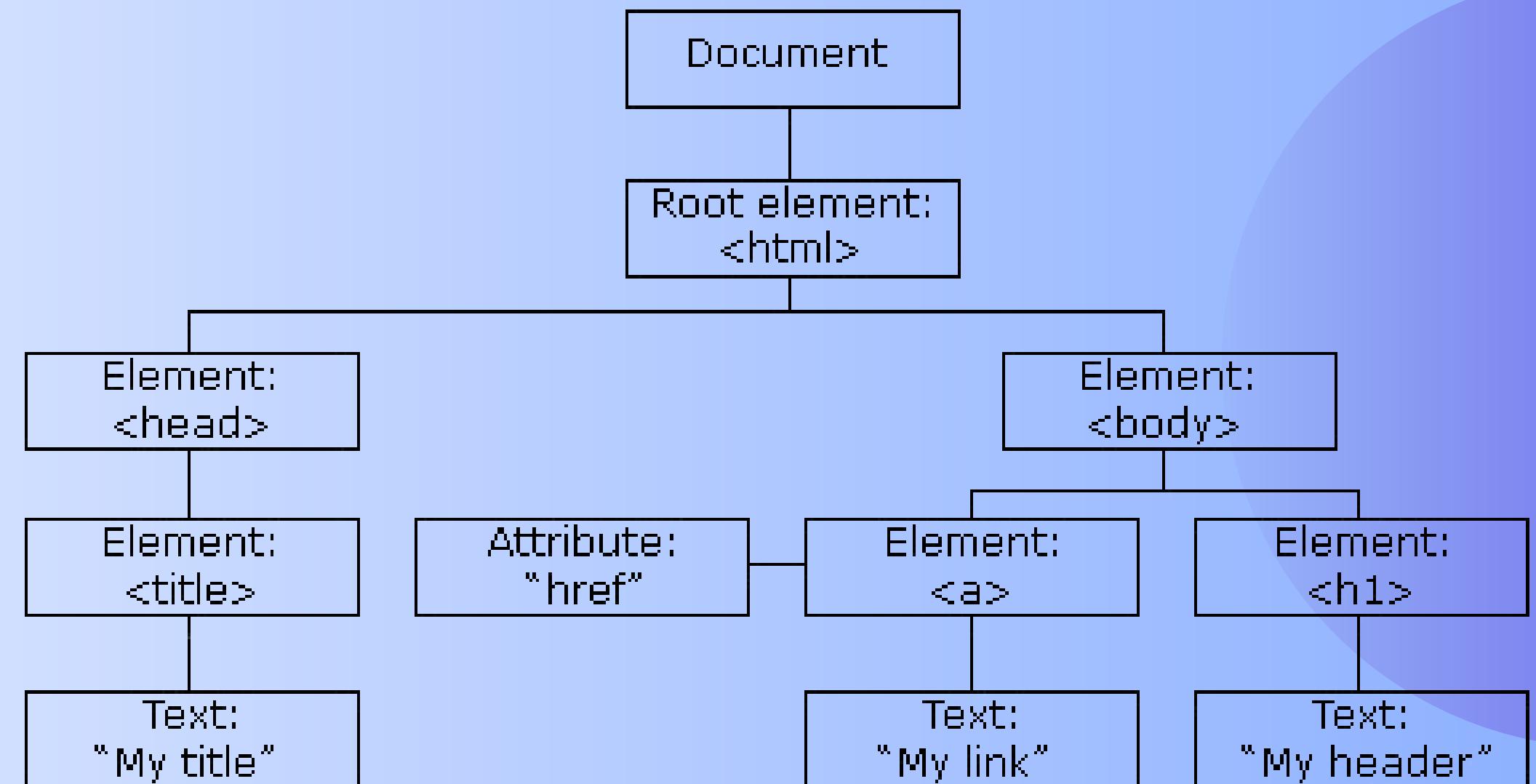
JAVASCRIPT DOM





DOM

DOM = Document Object Model



ELEMENTS



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```
// getElementById  
// getElementsByTagName  
// getElementsByTagName  
// querySelector  
// querySelectorAll  
// innerHTML  
// outerHTML
```



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ATTRIBUTE

```
// getAttribute()  
// setAttribute()  
// removeAttribute()
```



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TEXT

**// innerText
// textContent**



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EVENTS

Events in JavaScript are actions in the browser that JavaScript can respond to, such as clicks,... They make web pages interactive.

THANK YOU!

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