

این جزوه برای آموزش javascript در مدرسه پرنیان آماده شده است. برای کشف تمام جزئیات آن میتوانید در دوره ها ثبت نام کرده و همراه ما باشید♥<http://trainingsitedesign.ir>

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this in java script

```
var blacks = document.getElementsByClassName('black');
```

```
for(var i =0; i< blacks.length; i++){
    blacks[i].onclick = function(){
        this.style.color = 'red';
    }
}
<div class="black">test</div>
<div class="black">test</div>
<div class="black">test</div>
```

```
.....
function handler() {
    this.style.color = 'red';
}
```

```
var els = document.getElementsByClassName('black');
for (var i = 0; i < els.length; i++) {
    els[i].addEventListener('click', handler, false)
}
```

```
<div class="black">1</div>
<div class="black">2</div>
<div class="black">3</div>
<div class="black">4</div>
<div class="black">5</div>
```

```
.....
<ul>
    <li>test </li>
    <li>test </li>
    <li>test </li>
    <li>test </li>
    <li>test </li>
    <li>test </li>
    <li>test </li>
</ul>
```

```
<script>
    let x = document.querySelectorAll('li')
    x.forEach((item, index , array) => {
        item.addEventListener('click', () => {
            item.classList.toggle('clicked')
            console.log(index + 1)
        })
    })
</script>
```

```
.....
<button onclick="this.style.display='none'">
```

```
<ul>

    <li onclick="para(this)">parsa</li>

    <li onclick="para(this)">parsa</li>

    <li onclick="para(this)">parsa</li>

    <li onclick="para(this)">parsa</li>
```

```
</ul>

<script>

    function para(self) {

        self.style.display = "none"

    }
```

```
</script>
```

```
.....
input_check.addEventListener("click", function () {
    test(this.id);
});
```

});

Function level manual and generator

```
function* generator(i){  
  yield i;  
  yield i*2;  
  yield i*3;  
}
```

```
var x = generator(100)  
  
console.log(x.next().value)  
  
console.log(x.next().value)  
  
console.log(x.next().value)
```

loop

1. While
2. Do while
3. For

```
for (let i = 0; i < 10; i++) {  
  if (i === 3) { break; }  
  text += "The number is " + i + "<br>";  
}
```

strings

- let text = "We are the so-called \"Vikings\" from the north.";
- let text = 'It\'s alright.';
- let text = "The character \\ is called backslash.";
- let y = new String("John");
- let y = new Number(123);
- document.getElementById("demo").innerHTML = "Hello \
- Dolly!";
- str.slice(7,13);
- str.slice(-12,-6);
- str.slice(7);
- str.slice(-12);
- str.substring(7,16);
- str.substr(7,6);
- str.substr(7);
- str.substr(-4);
- text.toUpperCase();
- text.toLowerCase();
- let text = "my name is parsam";
- let newText = text.replace("parsa", "arsam")
- let x = 9.656;
- x.toExponential() => 9.656e+0
- x.toExponential(6) => 9.656000e+0
- let x = 9.656;
- x.toPrecision() => 9.656
- x.toPrecision(2) => 9.7

- `x.toPrecision(6) => 9.65600`
 - `let text = "I love cats. Cats are very easy to love. Cats are very popular."`
 - `text = text.replaceAll("cats","dogs");`
 - `let text1 = "Hello";`
 - `let text2 = "World!";`
 - `let text3 = text1.concat(" ",text2);`
 - `text.trim()`
 - `text.padStart(4,0);`
 - `text.padEnd(4,0);`
 - `text.charAt(0);`
 - `text.charCodeAt(0);`
 - `str[0];`
 - `let text = "a,b,c,d,e,f";`
 - `const myArray = text.split(","); => converted to an array`
 - `document.getElementById("demo").innerHTML = myArray[1];`
 - `let text = "Hello world";`
 - `let result = text.endsWith("world");`
 - `let text = "Hello world, welcome to the universe.";`
 - `let result = text.includes("world");`
 - `let text = "Hello world, welcome to the universe.";`
 - `let result = text.indexOf("welcome");`
 - `let text = "Hello planet earth, you are a great planet.";`
 - `let result = text.lastIndexOf("planet");`
 - `text.length;`
 - `let text = "Hello world!";`
 - `let result = text.repeat(2)`
 - `let text = "Hello world, welcome to the universe.";`
 - `let result = text.startsWith("Hello");`
 - `let text = "Hello World!";`
 - `let result = text.valueOf();`
 - `let text = `Hello world!`;`
 - `let text = `He's often called "Johnny"`;`
 - `let text = `Welcome ${firstName}, ${lastName}!`;`
-

number

`let x = "100";`

`let y = "10";`

`let z = x + y;`

`let z = x * y;`

`let z = x / y;`

`let z = x - y;`

`let x = 123e5;`

`let y = 123e-5;`

`100 / "Apple"; => NaN`

`100 / "10"; => 10`

`(123).toString()`

`let x = 9.656;`

`x.toFixed(0)`

`x.toFixed(2)`

`Number(true) + "
" +`

`Number(false) + "
" +`

`Number("10") + "
" +`

`Number(" 10") + "
" +`

`Number("10 ") + "
" +`

```
Number(" 10 ") + "<br>" +  
Number("10.33") + "<br>" +  
Number("10,33") + "<br>" +  
Number("10 33") + "<br>" +  
Number("John");  
parseInt("-10") + "<br>" +  
parseInt("-10.33") + "<br>" +  
parseInt("10") + "<br>" +  
parseInt("10.33") + "<br>" +  
parseInt("10 6") + "<br>" +  
parseInt("10 years") + "<br>" +  
parseInt("years 10");  
parseFloat("10") + "<br>" +  
parseFloat("10.33") + "<br>" +  
parseFloat("10 6") + "<br>" +  
parseFloat("10 years") + "<br>" +  
parseFloat("years 10");
```

Number.MAX_VALUE => 1.>7976931348623157e+308

Number.MIN_VALUE; => 5e-324

Number.POSITIVE_INFINITY; or 1 / 0 => Infinity

Number.NEGATIVE_INFINITY; or -1 / 0 => -Infinity

Number.NaN or 100 / "Apple" => NaN

Number.isFinite(123)

Number.isInteger(123)

Number.isNaN(123)

Number.isSafeInteger(123)

Number.EPSILON => 2.220446049250313e-16

Math.cos(45)

Math.sin(45);

Math.tan(45)

Math.log(3);

Math.sqrt(9)

practice :

form validate by document.forms

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