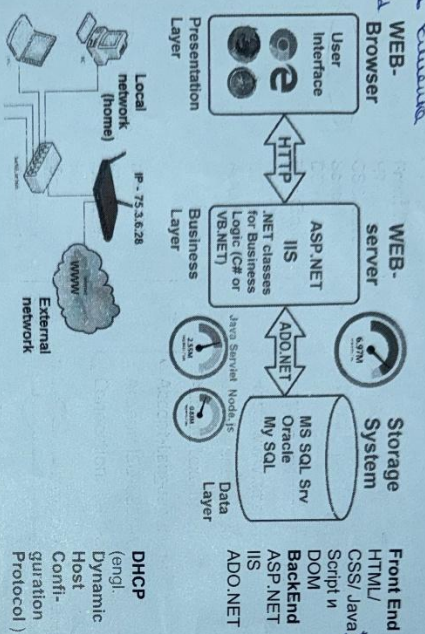




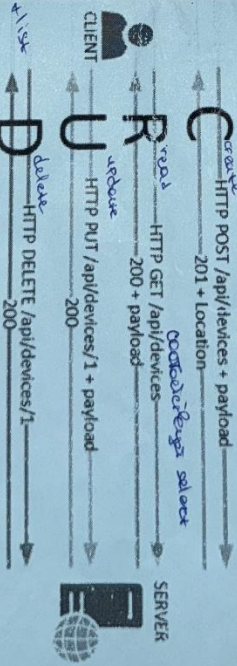
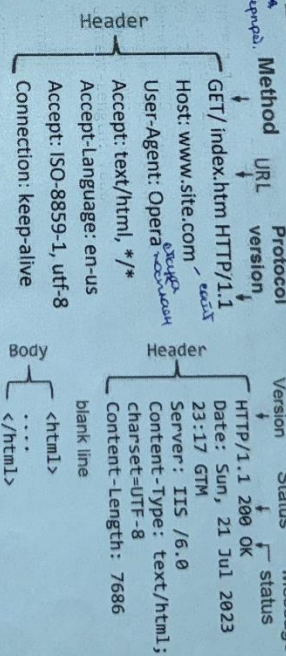
tracert - tracerout (in Apple) www.geotraceroute.com

172 . 16 . 254 . 1
 10101100.00010000.11111110.00000001
 DNS - clearer
 address.

217.21.43.40 - sbml.by, sbml.bsu.by
 ping sb.bsu.by tracert sb.bsu.by https://geotraceroute.com/
 +375 (29) 254 07 92 - ANDREY O. YAROSHEVICH

какая-то кога & непорядку & не успевает
 cat

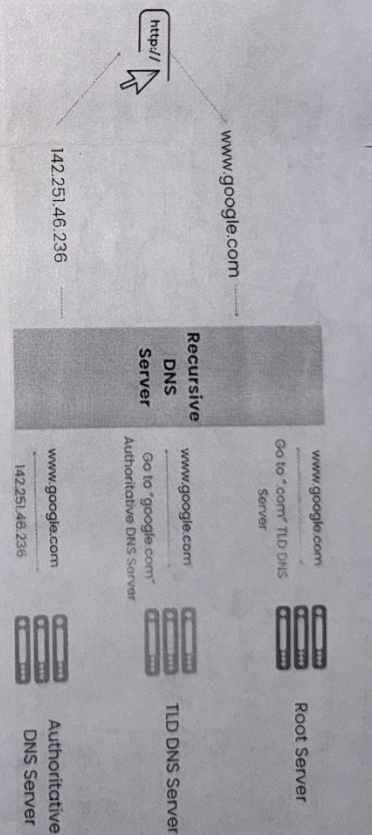
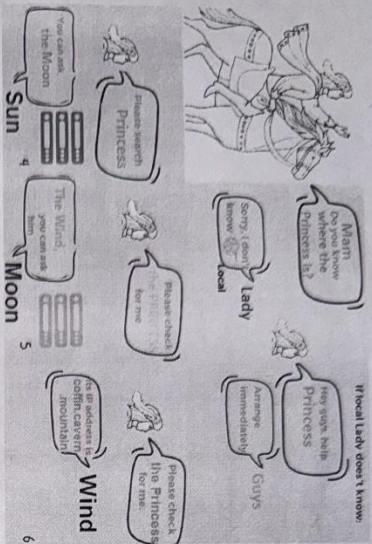
Request



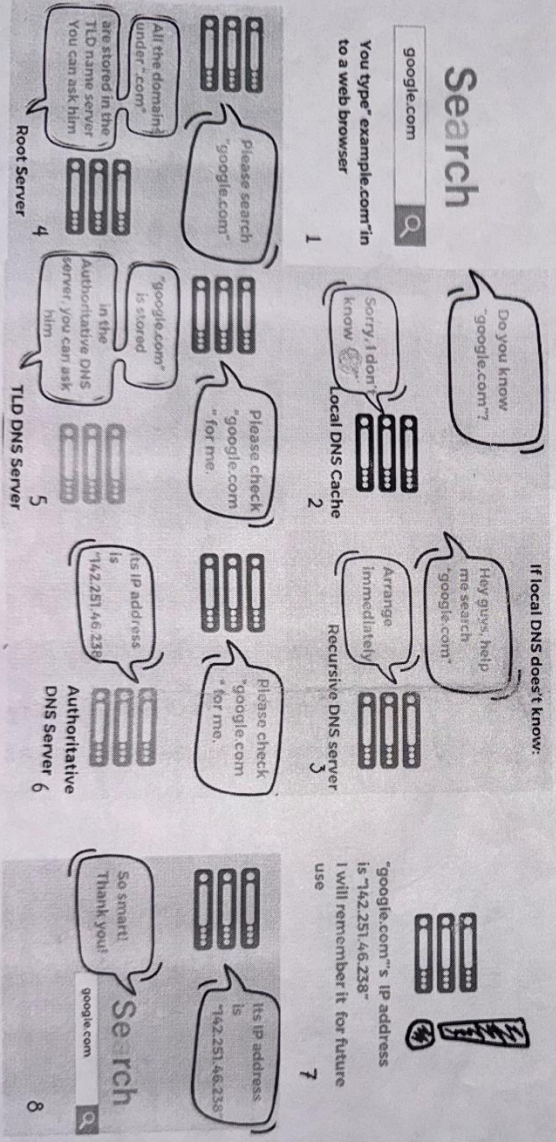
- GET — getting a resource
- POST — resource creation
- PUT — resource update
- DELETE — deleting a resource

Methods	Request	Response
1 GET	Yes	No
2 PUT	Yes	Yes
3 POST	Yes	Yes
4 DELETE	Yes	No

TCP/IP - 07.1
 WEB-T



Search



```

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="robots" content="noindex">

```



```

<style>
  #container {
    display: flex;
    flex-wrap: wrap;
    align: center;
  }
  #container > div {
    background-color: gray;
    font-size: 20px;
    margin: 20px;
    padding: 20px;
    width: 200px;
    text-align: center;
  }
</style>

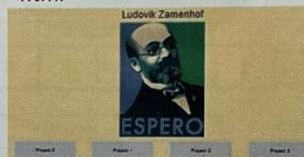
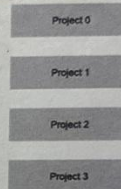
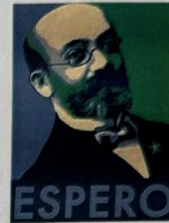
```

```

<body>
  <div id="container">
    <div>Project 0</div>
    <div>Project 1</div>
    <div>Project 2</div>
    <div>Project 3</div>
  </div>
</body>
<html>

```

Ludovik Zamenhof



<https://dot.net.by/esperanto/>

<!-- Google Font -->

```

<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;500;700&display=swap"
rel="stylesheet">

```

```

<style>

```

```

  body {
    font-family: 'Poppins', sans-serif;

```

```

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css"
rel="stylesheet">

```

```

<div class="buttons">

```

```

  <a href="project1.html" class="btn btn-primary btn-project">Project 1</a>

```

```

  @media (min-width: 768px) {
    .profile-image {
      width: 200px;
      height: 200px;
    }

```

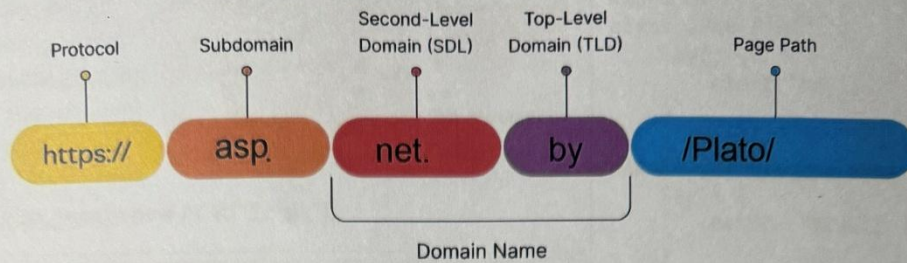
to enlarge photos on large screens from 150 to 200px

```

    .name {
      font-size: 2.5rem;
    }
  }

```

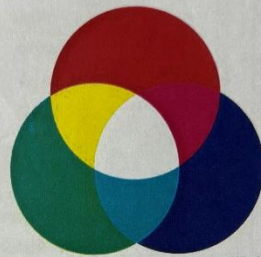
The same goes for fonts



R- Red

G- Green

B - Blue



#ff0000
R G B

#00A2E8
R G B

Intensity

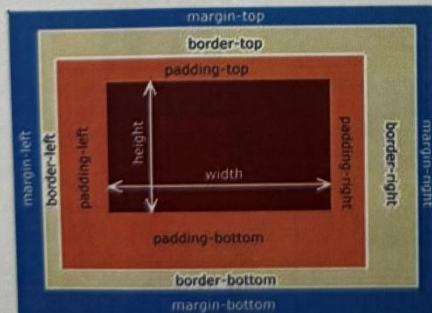
0	1	1	0	1	0	0	1
---	---	---	---	---	---	---	---

8-digit cell

rgb(255,0,0), rgb(0,0,255), rgb(0,162,232), rgb(31,78,121)

rgb(100%,0%,0%), rgb(0%,0%,100%)

Box model



```
<style>
img {
  position: absolute;
  left: 2px;
  top: 10px;
  z-index: -1; // behind the text }
</style>
```

```
<style>
div
{
  color:white;
  background-color:brown;
  height: 250px; width: 100px;
  padding: 20px 11px 10px 15px;
  border: 15px solid yellow;
  margin: 120px 10px 15px 20px;
}
</style>
```

```
<div><b>Box Model</b><br>
```



Выдавать возвращаемый стилизовать ES6, который расширяет JS и делает код более удобным, читаемым, компактным

ES6:

```
asp.net.by/es6/1.htm, asp.net.by/es6/02.htm
{
  let
  const
}
```

asp.net.by/es6/03.htm **Arrow functions:**
 $x = (x, y) \Rightarrow y + " " + x;$

Будущее
 x("sbmt.by", "SBMT");

asp.net.by/es6/04.htm function myExam(y = 4) -
 параметр по умолчанию

asp.net.by/es6/05.htm Array **find**(myFunction)

asp.net.by/es6/06.htm Array **findIndex**()

asp.net.by/es6/07.htm Классы

```
class ACat {
  constructor(n) {
```

```
    this.name = n; //property
```

из этого свойства определяются переменные

```
}
```

```
mycat = new ACat("Барсик");
```



```
class ACat{
  .....
  Name()
  return 'Меня зовут' + this.name;
}
```

```
mycat = new ACat("Барсик");
```

```
document.write(mycat.Name());
```

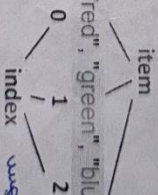
asp.net.by/es6/08.htm

Меня зовут Барсик

asp.net.by/es6/09.htm
 Array **forEach**()

```
var colors = ["red",
  "green", "blue"];
```

```
var colors = ["red", "green", "blue"];
```



указывает на элемент

colors.**forEach**(myFunction);

```
function myFunction(item, index) {
  item ... index
}
```

look forward

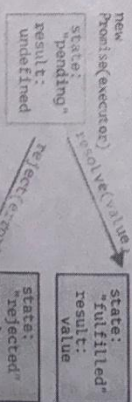
```
Function One () {
  // Do something
}
```

```
Function Two (call_One){
  // Do something else
  call_One()
}
```

Two(One); ← code is being executed

Callback illustrated

Promise



```
class ACat {
  string name;
  public ACat(n){
    this.name=n;
  }
}
```

```
ACat mycat= new ACat("Barsik");
```

```
class ACat {
  constructor(n) {
    this.name = n; //property
  }
  mycat= new ACat("Barsik");
```

```
Say(){
  return "meou";
}
s =
"My cat says <b>"
+
myCat.Say()+
"</b> !"
```

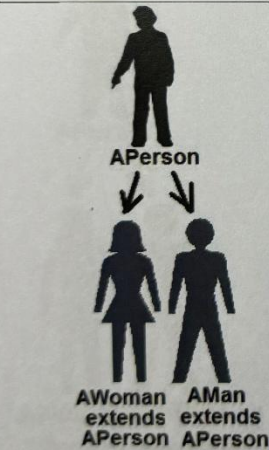
```
<script>
class APet {
  Say() {
    alert("No");
  }
}
class ACat extends APet {
  Say() {
    return "Miou";
  }
}
var myPet =
new ACat("Barsik");

S = "My pet says <b>"
+ myPet.Say()+
"</b> !"
</script>
```

class To describe a Woman: name, age, job
Women can do: eat, drink, sleep, walk, ...

object object object
Jane 19 Student
Emma 45 Doctor
Ann 30 Engineer

Queen
Drone
Worker
Polymorphism in Biology



ira= new
AWoman()

ivan= new
AMan()

function WashDishes()

Men's version
wipe dry



Female version
wet with water



```
class AMan {
  WashDishes() {
    return 'wipe dry';
  }
}
```

```
class AWomen {
  WashDishes() {
    return 'wet';
  }
}
```

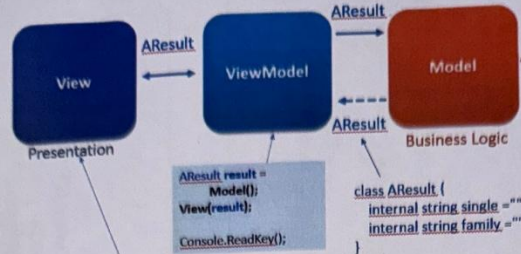
```
var family = [new AWomen(), new AMan()];
for(i=0;i<2;i++){ alert(" " + family[i].WashDishes());} //dry wet
```

```
women = new AWomen(); man = new AMan(); var family = [women,man];
```

ES6:

asp.net.by/es6/1.htm, asp.net.by/es6/02.htm

class ACat{



```

static AResult Model() {
    AResult result = new AResult();
    var single = new APerson();
    result.single += single.GetType().Name + "; " +
        single.WashDishes() + ";";

    APerson woman = new AWoman();
    APerson man = new AMan();
    APerson[] family = new APerson[2];
    family[0] = woman;
    family[1] = man;
    for (int i = 0; i < 2; i++)
    {
        result.family += family[i].GetType().Name + "; " +
            family[i].WashDishes() + "\n\r ";
    }
    return result;
}

```

Men's version
wipe dry

Female version
wet with water



APerson



AWoman: AMan:
APerson APerson



class APerson {

virtual public string WashDishes() {

return "dry and wet";

}

class AMan: APerson {

override public

string WashDishes()

{

return "dry";

}

}

class AWoman: APerson {

override public

string WashDishes()

{

return "wet";

}

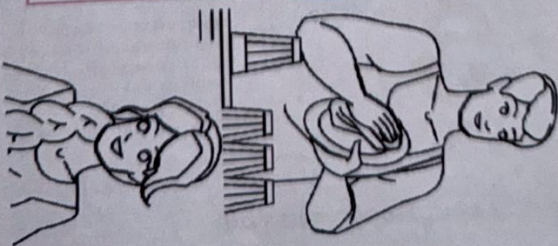
}



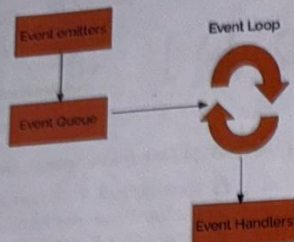
AWoman
Ira= new
AWoman()



AMan
Ivan= new
AMan()



ES6: event-driven programming



```

<button onclick="Hello()">Click
Here</button>
<script>
let counter = 0;
function Hello(){
  counter++;
  const heading=
    document.querySelector('h1');
  heading.innerHTML = counter;
}
</script>
  
```

querySelector

First we need to access the button element in our JavaScript code.

variable name. We store the button in this variable to reuse it later

selects the first HTML element which the query applies to

`const button = document.querySelector("button");`

variable definition, we could use let or var instead. But const is preferred

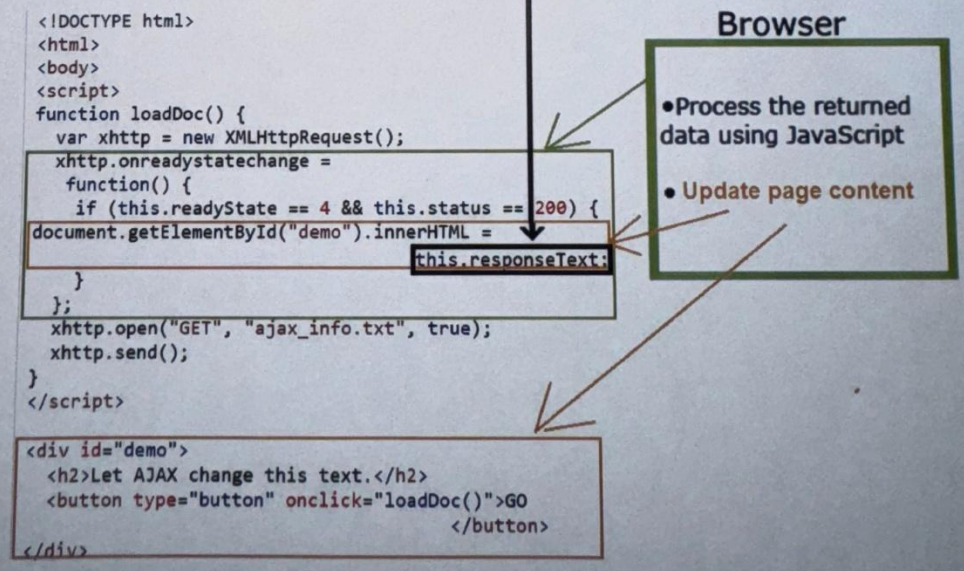
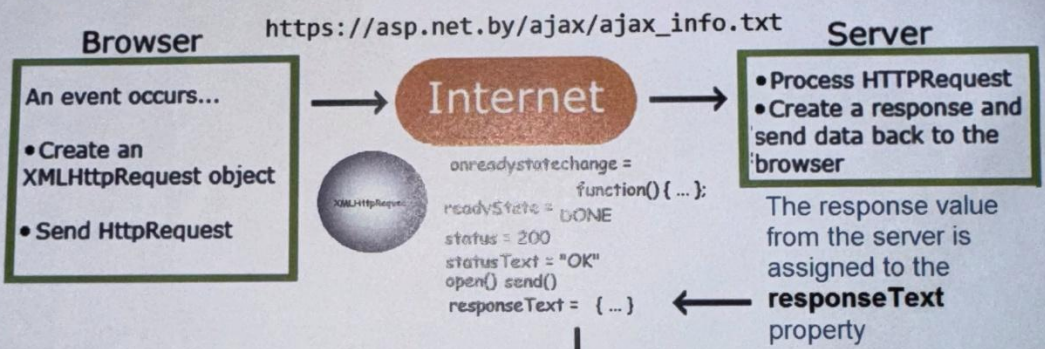
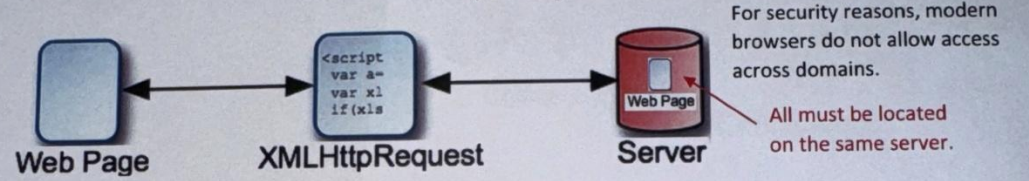
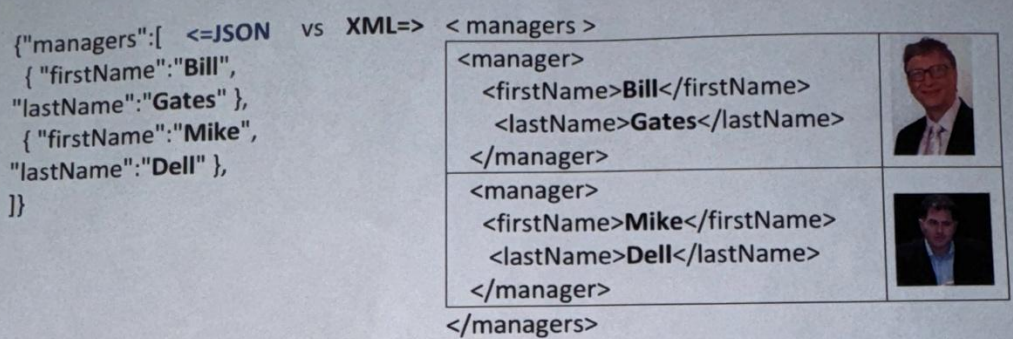
The context in which the querySelector will search for the given query. Here this is the HTML file

same syntax as CSS selectors. you can refer to elements, ids or classes here.

<pre> <button id="red">Red </button> <button id="blue">Blue </button> <button id="green">Green </button> </pre>	https://bip1252.w3spaces.com/color.html Инспектор Консоль Отадчик Сеть Стили Профайлер <pre> >> document.querySelector('button'); < > <button id="red"> >> document.querySelectorAll('button'); < > NodeList(3) [button#red, button#blue, button#green] 0: <button id="red"> 1: <button id="blue"> 2: <button id="green"> length: 3 <prototype>: NodeListPrototype { item: item(), keys: keys(), values: values(), - } </pre>
---	---

```

document.addEventListener('DOMContentLoaded',function(){
document.querySelector('button').onclick = Hello; }
});
document.querySelector('#red').onclick = function() {
  document.querySelector('#hello').style.color = 'red'; };
  
```





Сорока-Белобочка кашу варила,
Деток кормила:
- Этому дала, - Этому дала,



querySelectorAll() → [, ]

NodeList

[, ].forEach();

```
>> document.querySelectorAll('button');
```

```
← ▼ NodeList(3) [ button#red, button#blue, button#green ]
```

```
  ▶ 0: <button id="red">
```

```
  ▶ 1: <button id="blue">
```

```
  ▶ 2: <button id="green">
```

```
  length: 3
```

```
  ▶ prototype: NodeListPrototype { item: item(), keys: keys(), values: values(), ... }
```

```
document.querySelectorAll('button').forEach(function(button) {
```

```
  button.onclick = function() {
```

```
    document.querySelector('#hello').style.color =
```

```
    button.dataset.color;
```

```
  };
```

Red Blue Green

When the page is done loading

```
<script>
```

```
  document.addEventListener('DOMContentLoaded', function() {
```

I'm going to document.querySelectorAll, looking for all of the buttons

```
    document.querySelectorAll('.color-change').forEach(
```

```
      function(button) {
```

looked for things of the particular class

```
        button.onclick = function() {
```

```
          document.querySelector('#hello').style.color = button.dataset.color;
```

```
        };
```

```
      });
```

```
    });
```

```
</script>
```

HTML

```
<button class="color-change" data-color="red">Red</button>
<button class="color-change" data-color="blue">Blue</button>
<button class="color-change" data-color="green">Green</button>
```

```
<button class="color-change"
data-color="red">Red</button>
```

function that It's first going to pass in as takes as input, the button

```
function(button) {
  button.onclick = function() {
```

```
document.querySelector('#hello').
```

```
style.color =
```

```
  button.dataset.color;
```

```
};
```

```
function() { ... }
```

```
function(but) {
```

```
  but.onclick =
```

```
    function() { ... }
```

```
  }
```

```
() => { ... }
```

```
but => {
```

```
  but.onclick =
```

```
    () => { ... }
```

```
}
```

```
<head>
```

```
<script>
```

```
  document.addEventListener('DOMContentLoaded', () => {
```

```
    document.querySelector('#color-change').onchange = function() {
```

```
      document.querySelector('#hello').style.color = this.value;
```

```
    };
```

```
  });
```

```
</script>
```

```
</head>
```

```
<body>
```

```
<h1 id="hello">Hello!</h1>
```

```
<select id="color-change">
```

```
<option value="red">Red</option>
```

```
<option value="blue">Blue</option>
```

```
<option value="green">Green</option>
```

```
</select>
```

```
</body>
```

