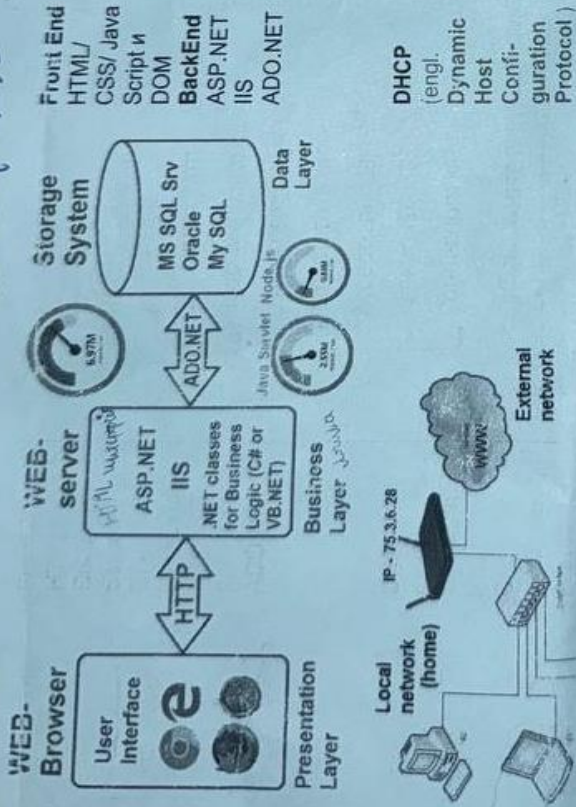


+0.3 to fin Grade public 15.9
 +0.3 to fin Grade 11.9
 (S) @ → Kibara nomma unq 1,2,3



tracert - traceout (in Rophie) www.geotraceroute.com

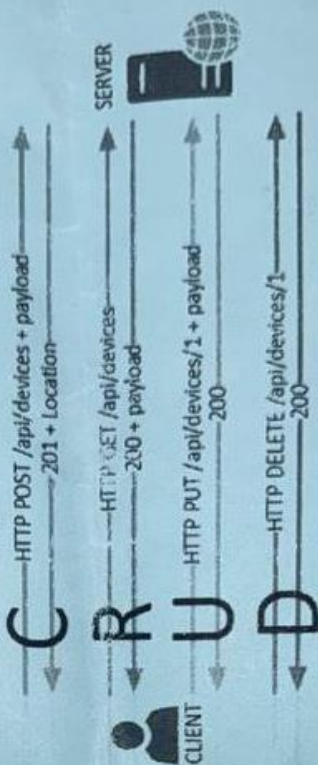
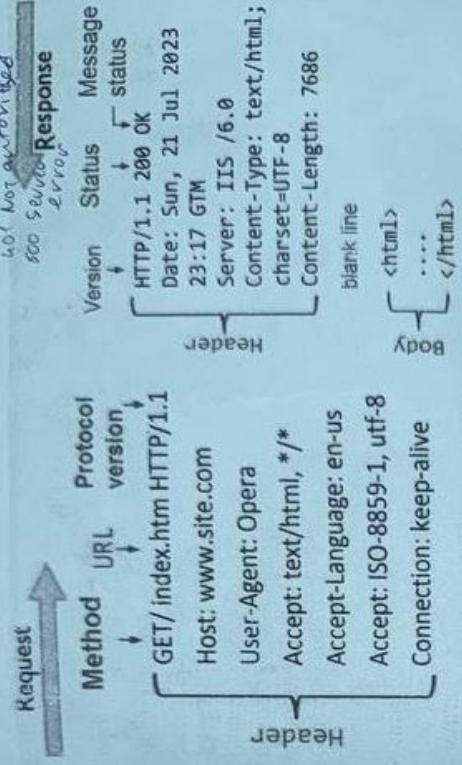
172 . 16 . 254 . 1
 ↓ ↓ ↓ ↓
 10101100.0000.11111110.00000001
 8 bits
 32 bits (4 bytes)
 217.21.43.40 - sbmt.by, sbmt.bsu.by sb.bsu.by
 ping sb.bsu.by tracert sb.bsu.by https://geotraceroute.com/

1 IP - phyfandr
 3. Topod, ide Baum
 4. phicantrony.bsite.net / WEB

Web server - IIS 310 windows
 Apache Tomcat 310 Linux
 Somee.com

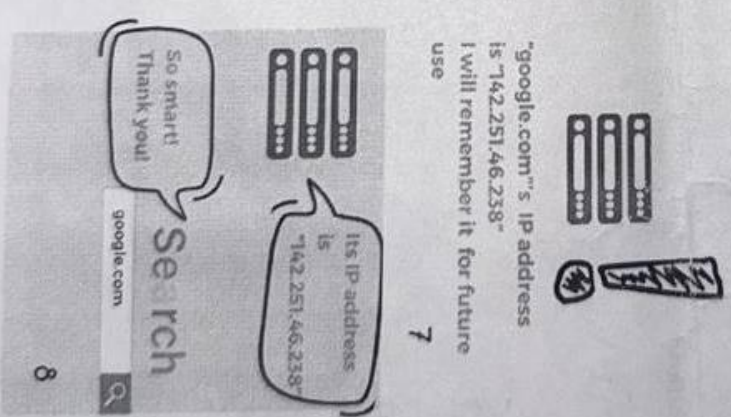
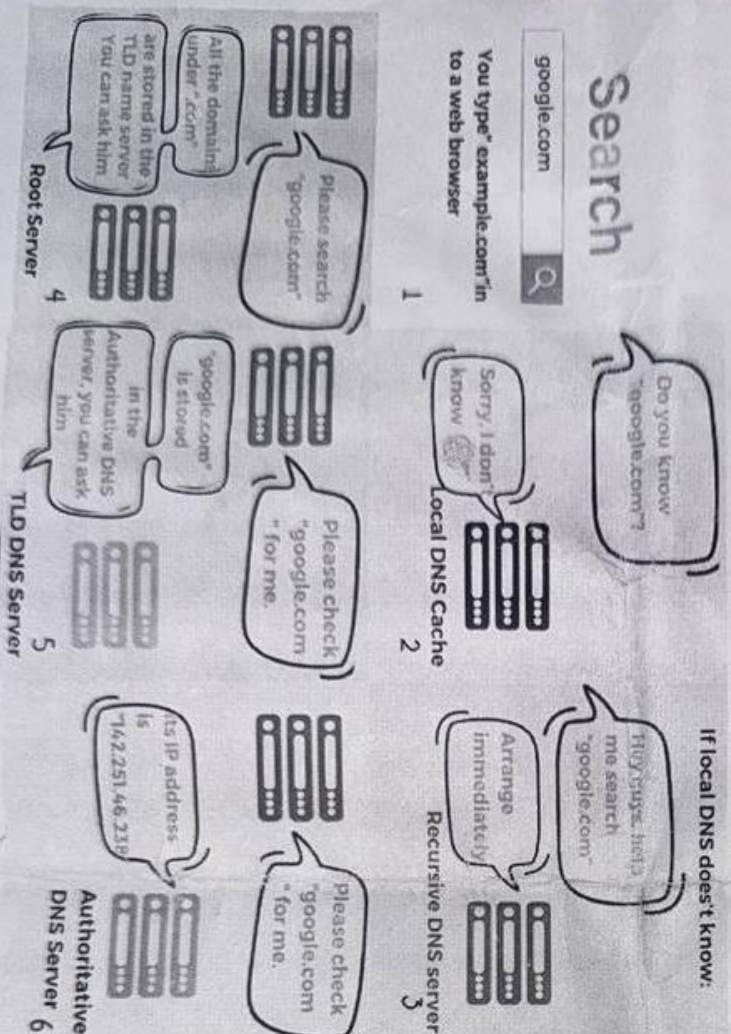
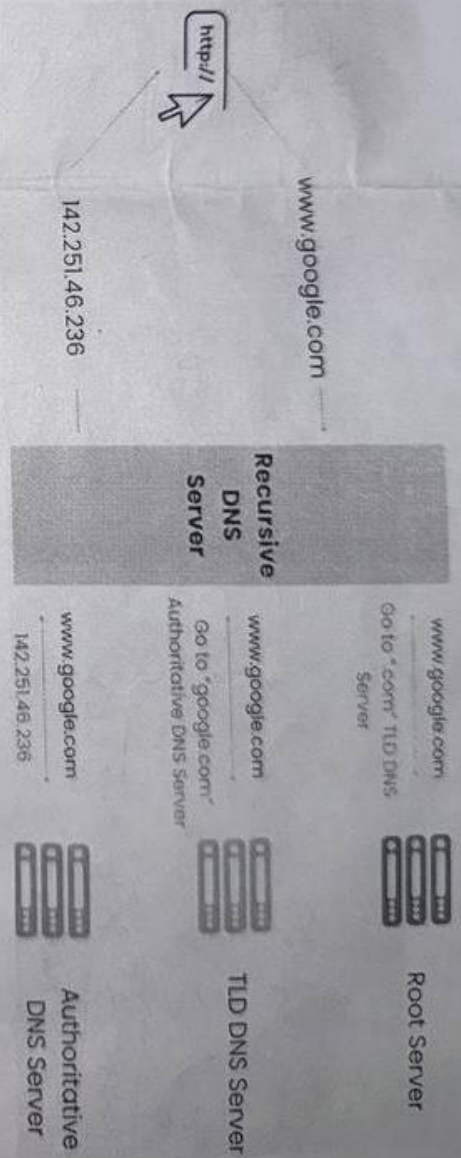
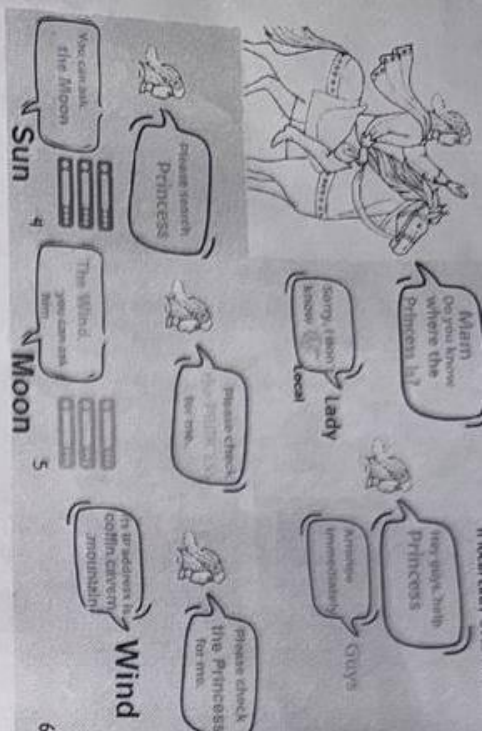
Status: 100 upogomume
 200 OK
 301 redirection
 404 Not found
 405 Not authorized
 500 server error

+0.1 2025.9.24
 +0.1 15.9.25 +0.1 18.9.25



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

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



philantropy.bsite.net/project/1/

агауауауа
наг паркет
ау папка

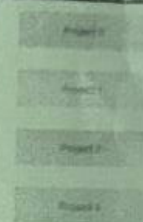
```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="robots" content="noindex">
```



```
<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://delivry.by/esperanto/>

@medig

<!-- 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>
```

бабок
07 page
наг паркет
наг паркет
наг паркет

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

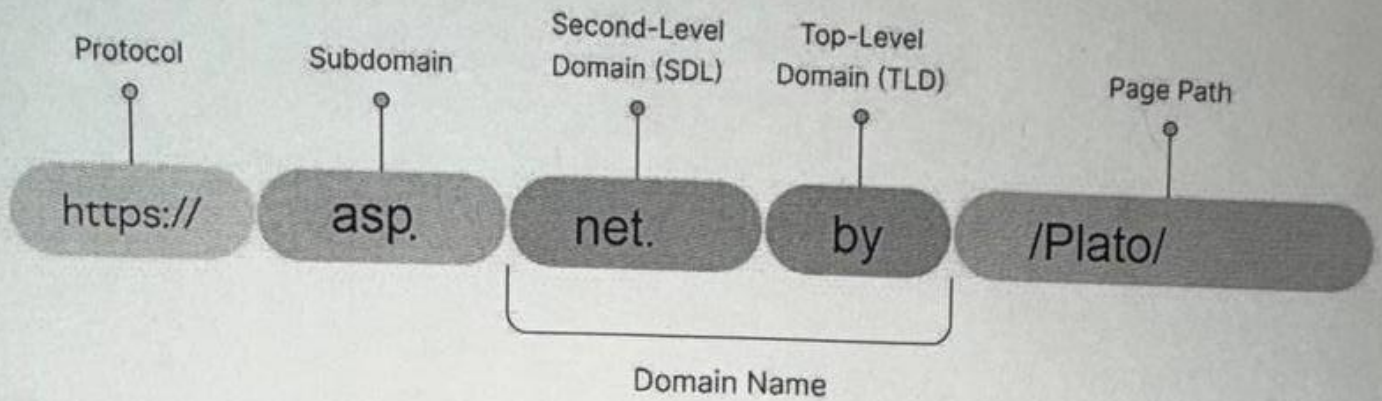
to enlarge photos on large screens from 150 to 200px

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

The same goes for fonts

philantropy.bsite.net/web-t/~~Project~~ Projects

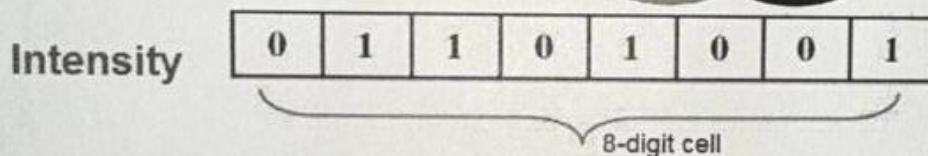
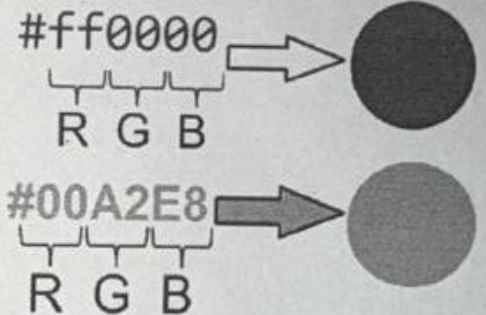
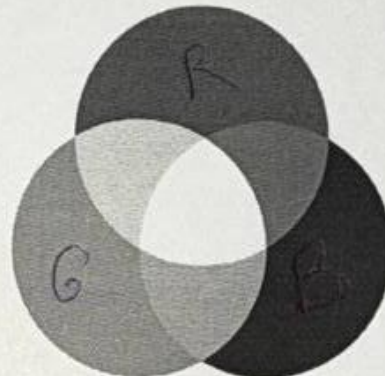
бабок.bsite.net/бабок/ Project 2 1/1 121 — Bootstrap



R- Red

G- Green

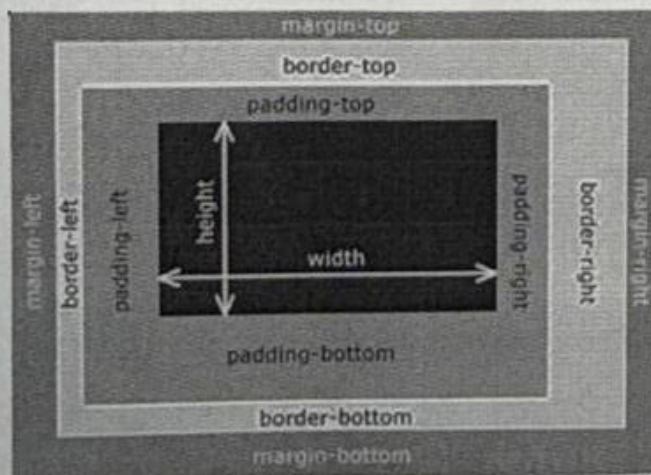
B – Blue



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>`

`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>`

`<style>`

`img {`

`position: absolute;`

`left: 2px;`

`top: 10px;`

`z-index: -1; // behind the text }`

`</style>`



asp.net.by/Boostrap/
getbootstrap.com

ES6:

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

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

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) *вернуть функцию*
 asp.net.by/es6/06.htm Array.**findIndex**()
 asp.net.by/es6/07.htm Классы

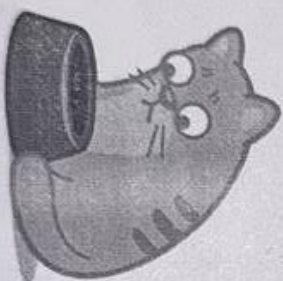
class ACat {

constructor(n) {

this.name = n; //property

}

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

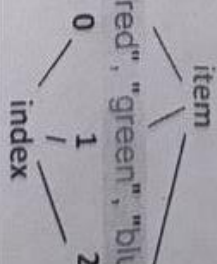
Меня зовут Барсик

asp.net.by/es6/09.htm

Array.**forEach**()

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

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



colors.**forEach**(myFunction);

function myFunction(item, index) {

item ... index

}

Function One () {

// Do something

}

Function Two (call_One) {

// Do something else
call_One()

}

Callback illustrated

Promise

new Promise(executor)

state: "pending"
result: undefined

resolve(value)

state: "fulfilled"
result: value

reject(error)

state: "rejected"
result: error

Two(One); ← code is being executed

Error

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

class ACat {
    constructor(n) {
        this.name = n; //property
    }
}

mycat = new ACat("Barsik");

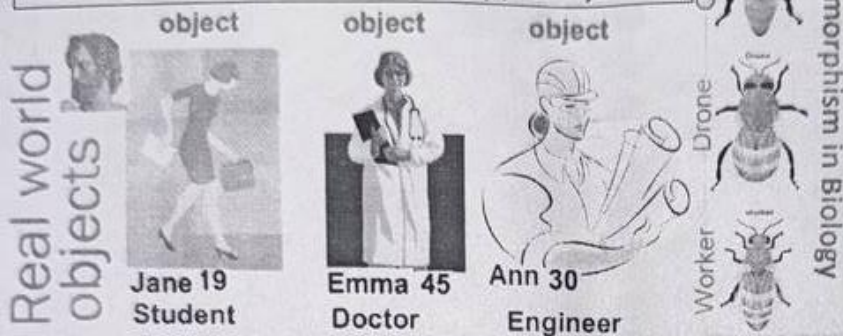
ACat mycat= new ACat("Barsik");

Say() {
    return "meou";
}

s = "My cat says <b>"
+ myCat.Say()+
"</b> !"


```

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



Error

```
<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>

```



function WashDishes()

Men's version
wipe dry



Female version
wet with water



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

```

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

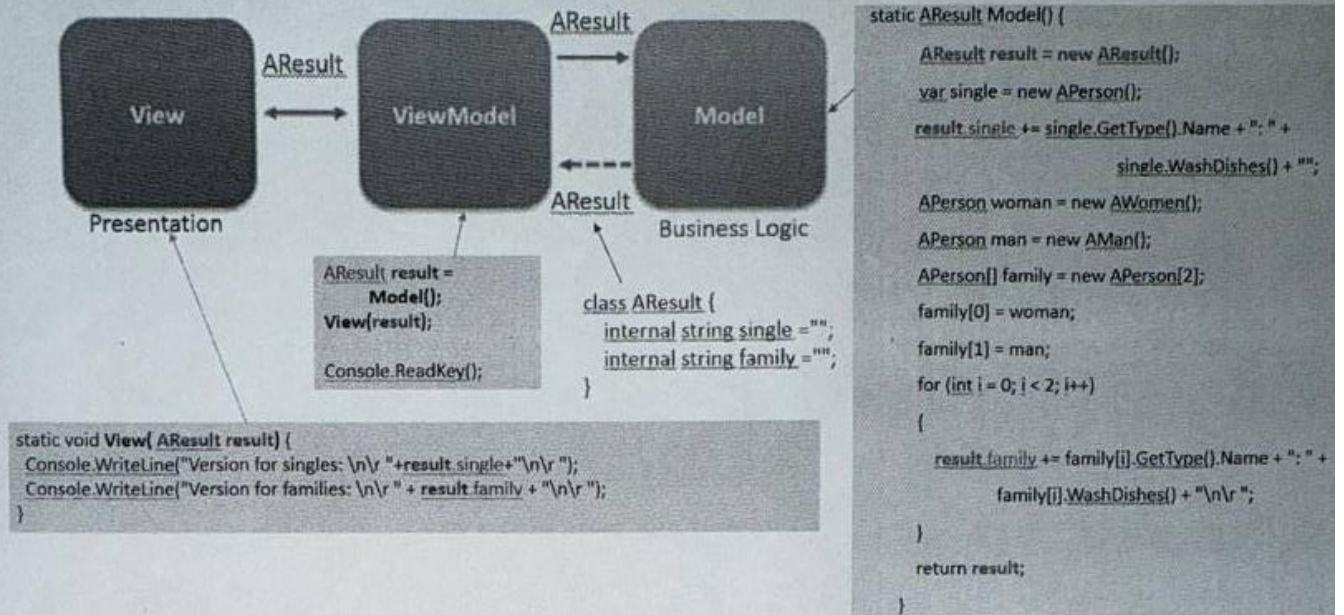
```



```
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];



AWoman: AMan:
APerson APerson

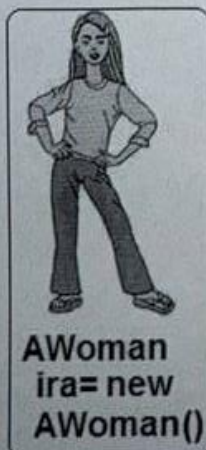
Men's version
wipe dry



Female version
wet with water



```
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";
    }
}
```



```
class APerson
{
    virtual internal string Wash()
    {
        return "Wet and Dry";
    }
}

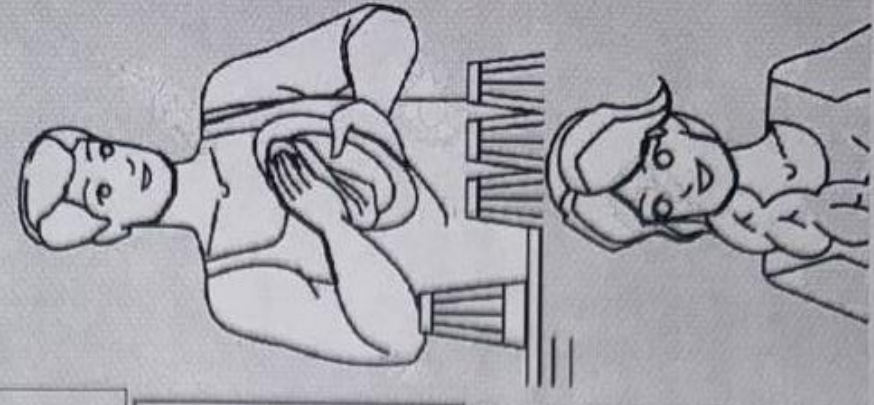
class AMan:APerson
{
    override internal string Wash()
    {
        return "Wet";
    }
}

class AWoman:APerson
{
    override internal string Wash()
    {
        return "Dry";
    }
}
```

```
class APerson
{
    virtual internal string Wash()
    {
        return "Wet and Dry";
    }
}

class AMan:APerson
{
    override internal string Wash()
    {
        return "Wet";
    }
}

class AWoman:APerson
{
    override internal string Wash()
    {
        return "Dry";
    }
}
```



ES6: event-driven programming

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.

```
<html>
<head>
  <title>Hello</title>
  <script>
    function Hello(){
      document.querySelector('h2').innerHTML=
        "Hello JavaScript!";
    }
  </script>
</head>
<body>
  <h2></h2>
  <button onclick="Hello()">Click
  Me!</button>
</body>
</html>
```

```
document.addEventListener
('DOMContentLoaded',function(){
  document.querySelector('button').onclick
    = Hello; }
);
```

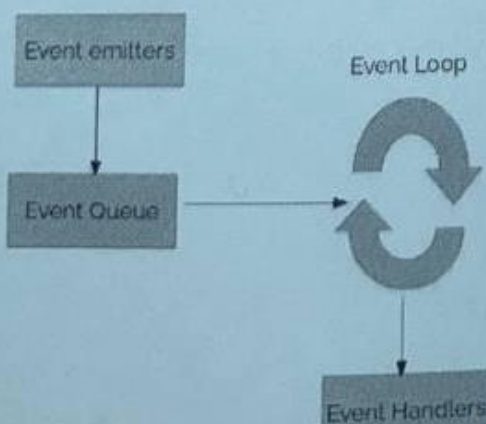
```
<html>
<head>
  <title>Hello</title>
</head>
<script>
  function Hello(){
    document.querySelector('h2').innerHTML="Hello JS!";
  }
</script>
<body>
  <h2></h2>
```

```
<script>
  document.querySelector('button').onclick =
    Hello;
</script>

<button onclick="Hello()">Click Me!</button>
<script>
  document.querySelector('button').onclick = Hello;
</script>
</body>
</html>
```

Uncaught **counter.htm:13**
TypeError: Cannot set
properties of null (setting
'onclick')
at counter.htm:13:45

```
document.querySelector('button').addEventListener('click',Hello);
```



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

HTML forms

The placeholder - the thing the user sees filled into that input field originally

automatically focus this input field

отправка
Формы id,
Засем
<script>

```
<form>
  <input autofocus id="name" placeholder="Name" type="text">
  <input type="submit">
</form>
```

<? id="demo"></?>
<script>
document.getElementById("demo").innerHTML = Date();
</script>

Name

Отправить

input field where the user can type in some text

```
<script>
  document.addEventListener('DOMContentLoaded', function()
  {document.querySelector('form').onsubmit = function() {
    let name = document.querySelector('#name').value;
    alert(`Hello, ${name}!`);
  });
}</script>
```

```
<button
id="red">Red
</button>
<button
id="blue">Blue
</button>
<button
id="green">Green
</button>
```

https://blp125.v3spaces.com/color.html

Инспектор Консоль Отладчик Сеть Стили Профайлер

```
>> 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(), ... }
```

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

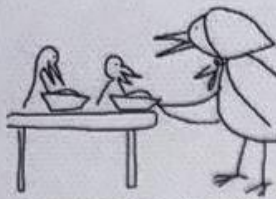
ways of using JS events

inline HTML
event handlers

```
<script>
alert("Hi");
</script>
```

addEventListner()

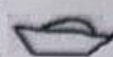
Traditional DOM
Event Handler



Сорока-Белобока 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

```
<script>
  When the page is done loading
  document.addEventListener('DOMContentLoaded', function() {
    document.querySelectorAll('button')
    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

input the first button Red
then the second button Blue
then the third button Green

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

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

```
<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>
```



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

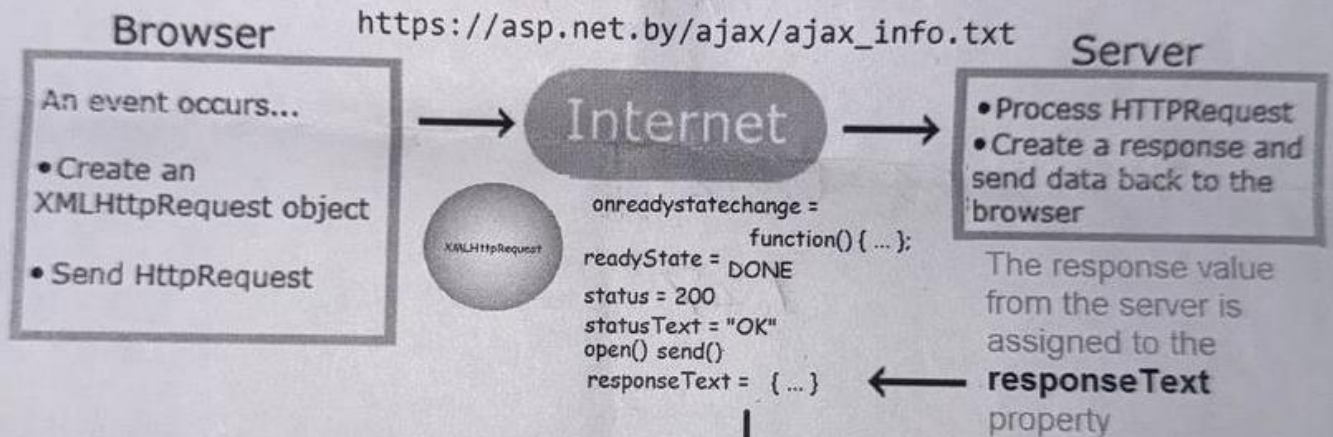
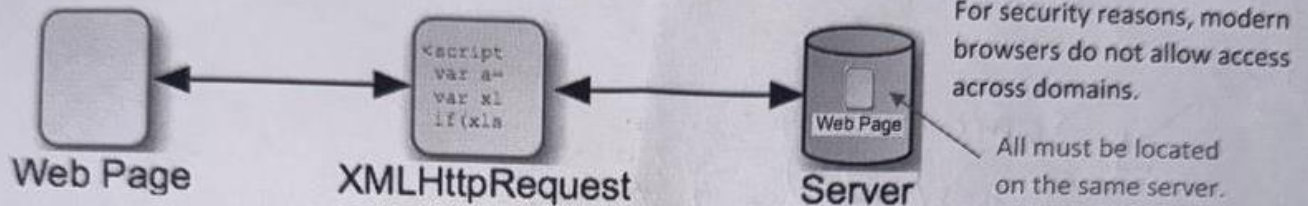
```
function(but) {
  but.onclick =
    function() {...}
}
```

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

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

{"managers":[<=JSON vs XML=> < managers >
 { "firstName":"Bill",
 "lastName":"Gates" },
 { "firstName":"Mike",
 "lastName":"Dell" },
]}

<manager> <firstName>Bill</firstName> <lastName>Gates</lastName> </manager>	
<manager> <firstName>Mike</firstName> <lastName>Dell</lastName> </manager>	



```

<!DOCTYPE html>
<html>
<body>
<script>
function loadDoc() {
  var xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      document.getElementById("demo").innerHTML =
        this.responseText;
    }
  };
  xhttp.open("GET", "ajax_info.txt", true);
  xhttp.send();
}
</script>

<div id="demo">
  <h2>Let AJAX change this text.</h2>
  <button type="button" onclick="loadDoc()">GO
  </button>
</div>
  
```

