

Web Front-End

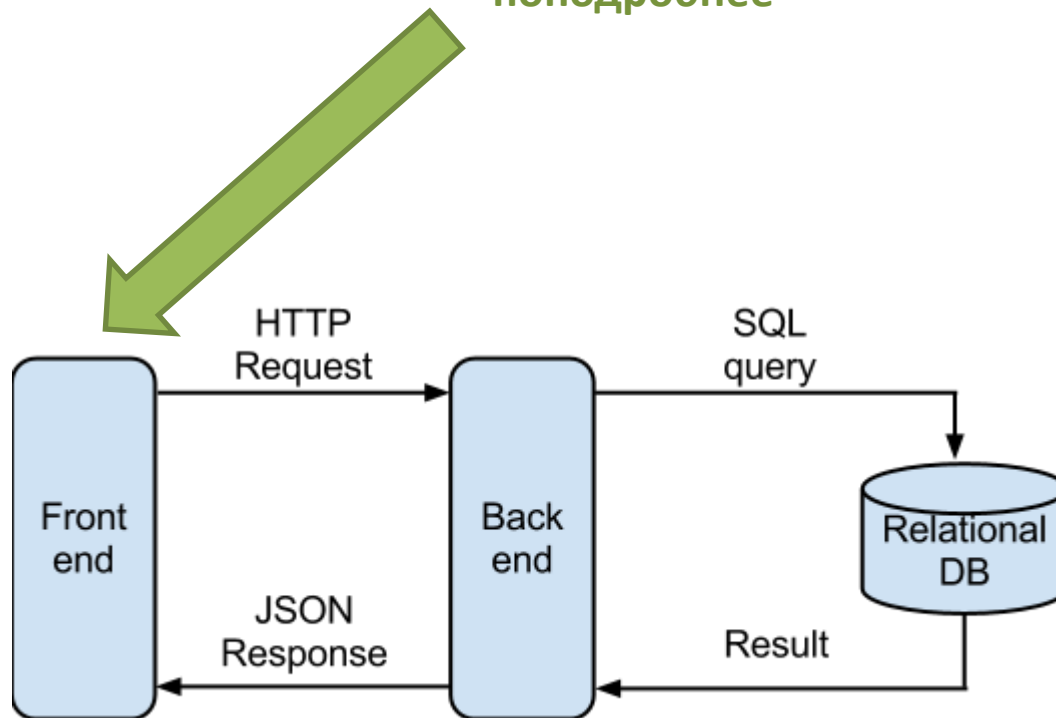
JavaScript

Front-End, ты кто такой?

Front-End + Back-End = 

Схема

С этого момента
подробнее



Front-End, ты кто такой? (2)



CSS

Twitter Bootstrap

ajax

JavaScript

WebWorker

svg

Backbone

IE

sencha

Web Storage

Angular

prototype

jQuery

Cookies

json

Responsive layout

HTML5

HTML

canvas

D3.js

CSS3

mootools

JavaScript, ты кто такой?



- JavaScript = диалект ecmascript
- JavaScript/ecmascript – встраиваемый, вспомогательный

JavaScript, ты откуда?

- На следующем слайде скриншот Yahoo за 1996 год
- Брендан Айк из компании Netscape в 1995 году внедрил язык программирования в браузер Netscape (сегодняшний firefox)
- Цель - изменение структуры без перезагрузки страницы
- В 1996 году компания Microsoft выпустила аналог языка JavaScript, названный Jscript

1996 год




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JavaScript, как оно развивалось?

- 1995 – начало
- 2005 – ajax, prototype.js, jQuery, Mootools, Dojo
- 2010 – JavaScript MVC
- evolutionoftheweb.com история развития
- Сейчас WEB без JS невозможен!

“You should definitely use jQuery”



stackoverflow Questions Tags Users Badges Unanswered

Add a number to another number in JavaScript

hallo

0

I have got a number in my JavaScript variable! Now how do I add another number to it? Please

javascript

★

3 Answers

oldest

22

link | edit | flag

You should definitely use jQuery. It's really great and does all things

I agree, jQuery is really the best, it solves all kinds of browser problems and is good, as well – [||sum](#)

+1 jquery is best quality code ever, if you don't use your a idiot – [Werry_Togan](#) 4 mins ago

add comment

4

link | edit | flag

I think there's a jQuery plugin for that. Google for jQuery basic arithmetic plugin.

answered 5 minutes ago

[Timothy Goatse](#)

4,321 1 12

yeah, jQuery is definately the way to go – [fishnipples](#) 5 mins ago

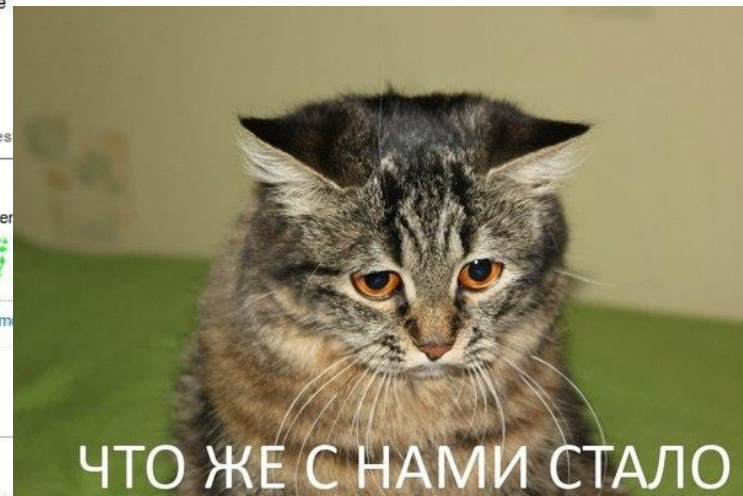
I used the jQuery diet plugin and lost 10kg in a week – [jfatty](#) 4 mins ago

add comment

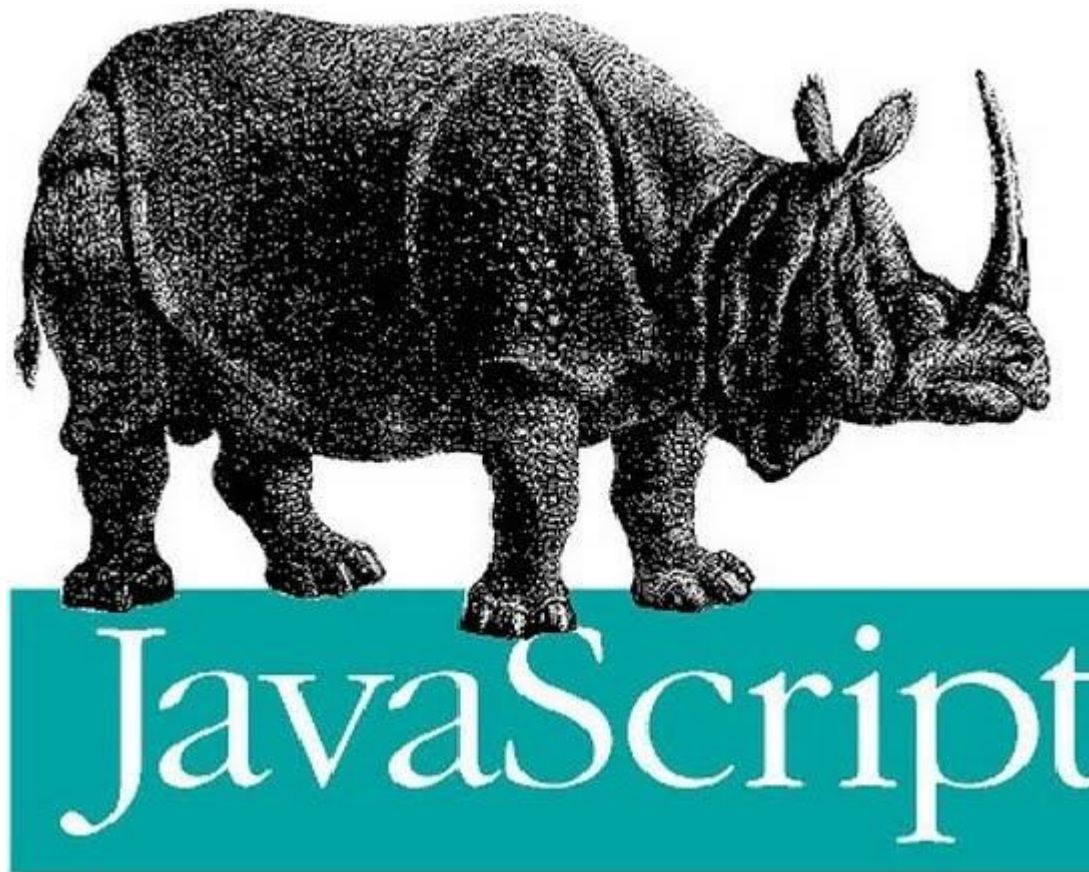
-2

To add numbers together you should use the `+` operator, for example:

```
var a= 1;
var b= a+2;
alert(b); // 3
```

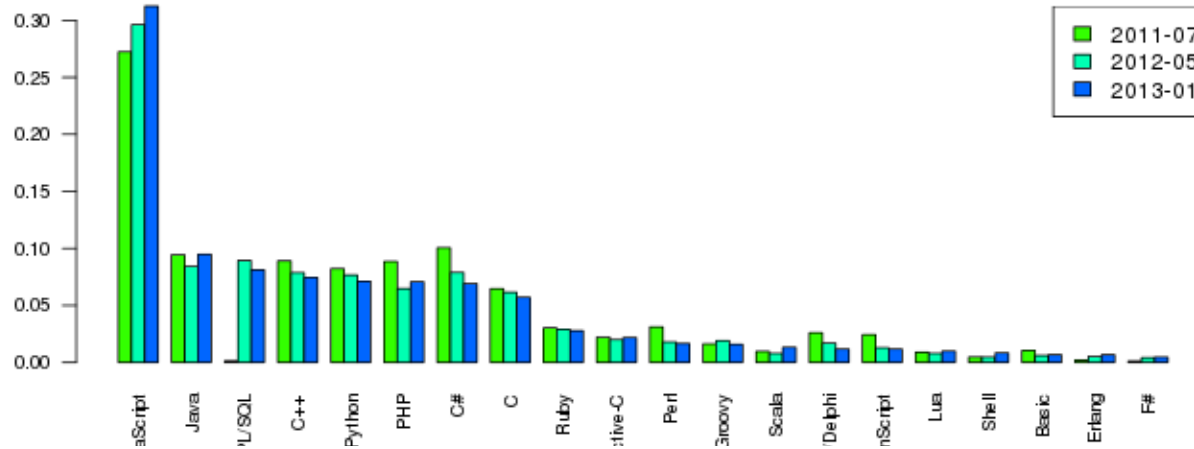


JavaScript, кто ты сейчас?

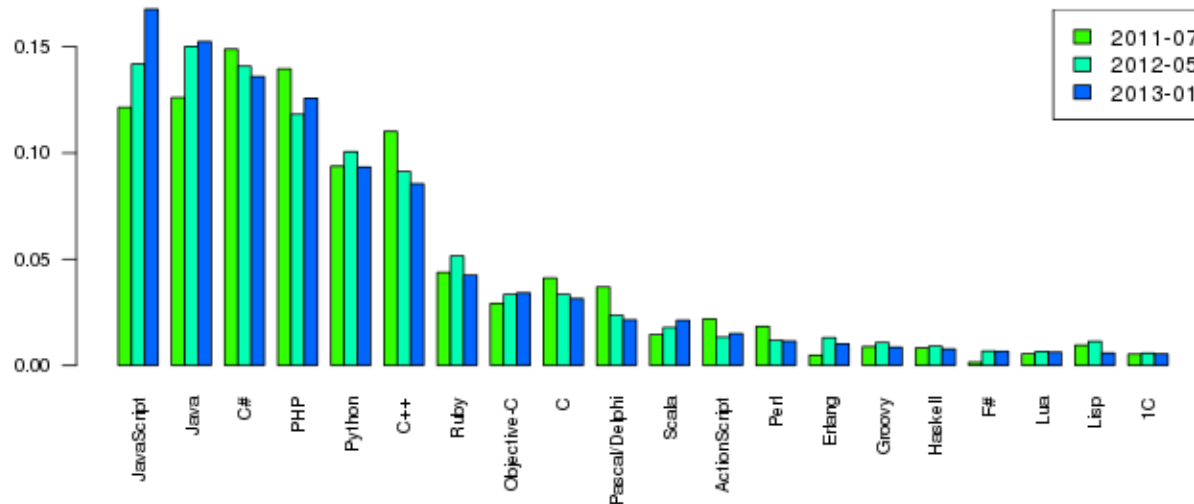


Статистики с DOU.ua

Какие языки вы используете как дополнительные



Какие языки вы используете для своих pet-проектов



JavaScript разнообразие

Работа с DOM

- jQuery и другие

Готовые наработки

- Twitter bootstrap и другие

Вспомогательные

- Underscore и другие

Визуализация данных

- D3.js и другие

MVC

- Backbone.js
- AngularJS
- Ember.js
- Другие ...

NodeJS

- Отдельная история

JavaScript, “hello world”?

1.

```
<script type="text/javascript">  
  alert("Hello world");  
</script>
```

2.

```
<a href="/page" onclick="alert('Hello world');">a link</a>
```

3.

```
<script type="text/javascript" src="/path/file.js"></script>
```

JavaScript, пример tabs!



Tab 1

This is tab's description



Tab 2

This is tab's description



Tab 3

This is tab's description



Tab 4

This is tab's description

Tab 1 Content

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Пример tabs -> html

```
<div id="tabs">
  <ul class="tabs" id="tabsnav">
    <li><a href="#tab-1" class="menu-internal">Tab One</a></li>
    <li><a href="#tab-2" class="menu-internal">Tab Two</a></li>
    <li><a href="#tab-3" class="menu-internal">Tab Three</a></li>
    <li><a href="#tab-4" class="menu-internal">Tab Four</a></li>
  </ul>
  <div id="tab-1" class="tab">
    <p>Tab1 Content</p>
  </div>
  <div id="tab-2" class="tab">
    <h2>Tab 2</h2>
    <p>Tab 2 content</p>
  </div>
  <div id="tab-3" class="tab">
    <p>Tab 3 content</p>
  </div>
  <div id="tab-4" class="tab">
    <p>Tab 4 content.</p>
  </div>
</div>
```



Tab 2

Tab 2 content.

Пример tabs -> Pure JS

```
<script>
  var pages;
  window.onload=function() {
    var container = document.querySelector("#tabs");
    var navitem = document.querySelector("#tab-2");
    navitem.parentNode.setAttribute("class", "active");
    pages = container.querySelectorAll(".tab");
    for (var i = 1; i < pages.length; i++) { pages.item(i).style.display="none"; }
    var nav = container.querySelectorAll(".menu-internal");
    for (var i = 0; i < nav.length; i++) { nav[i].onclick=displayPage; } };
  function displayPage() {
    for (var i = 0 ; i < pages.length; i ++) { pages[i].style.display="none"; }
    var id = this.querySelector(".menu-internal").getAttribute('href');
    document.querySelector(id).style.display = 'block';
  }
</script>
```


Пример tabs -> jQuery

```
<script type="text/javascript">
  $(document).ready(function() { // when DOM ready
    $('#tabs > div').hide(); // hide all child divs
    $('#tabs div:nth-child(2)').show(); // show second child dive
    $('#tabsnav li:nth-child(2)').addClass('active');
    $('.menu-internal').click(function(){
      $('#tabsnav li').removeClass('active');
      var currentTab = $(this).attr('href');
      $('#tabsnav li a[href="'+currentTab+'"]').parent().addClass('active');
      $('#tabs > div').hide(); $(currentTab).show();
    });
  });
</script>
```

Пример tabs -> jQuery UI

```
<script>  
    $( "#tabs" ).tabs();  
</script>
```



Домашнее задание

Движение планет вокруг Солнца

