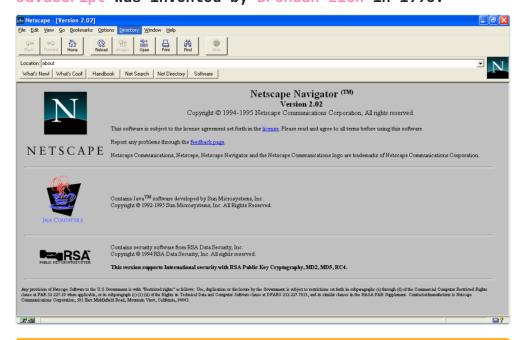
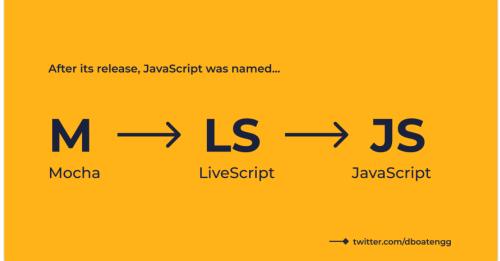
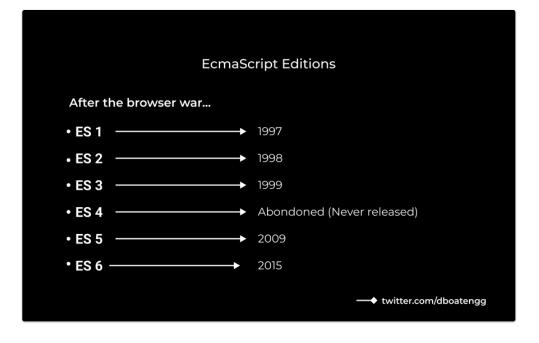
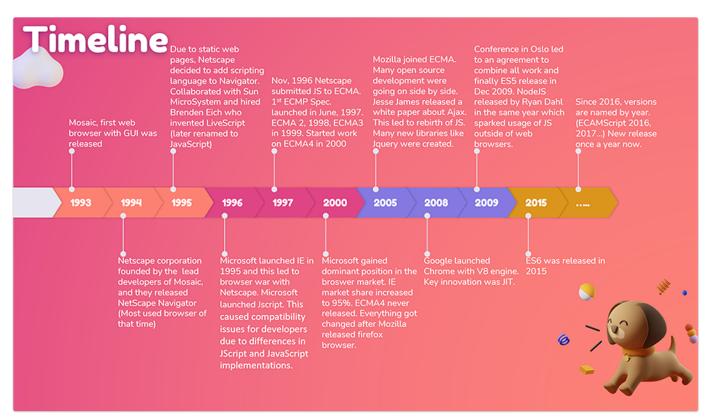
6-dars

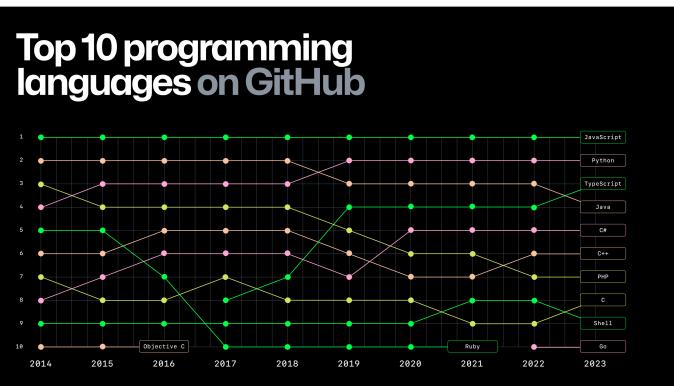
6-dars. JSga kirish, o'zgaruvchilarning tiplari JavaScript was invented by Brendan Eich in 1995.

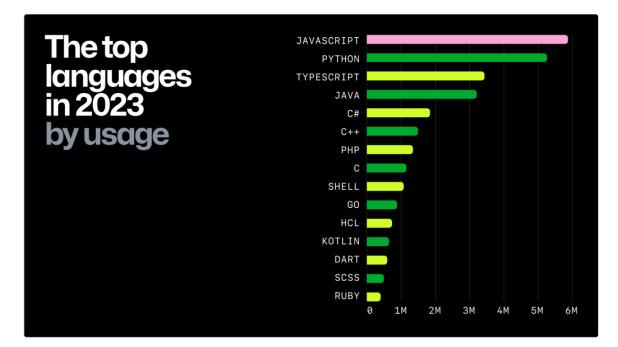












Javascript.

- What?
- Why?
- Where?
- How?

JavaScript is a case-sensitive language

```
Required
WHILE
while
While
online, Online, and ONLINE
```

Comments

1.

```
// let name = "John"
```

2.

```
/*
let name = "john"
let skills = ['javascript', ...]
*/
```

Literals

```
12 // The number twelve
1.2 // The number one point two
"hello world" // A string of text
```

```
'Hi' // Another string
`Hello world!`

true // A Boolean value

false // The other Boolean value

null // Absence of an object
```

Identifiers and Reserved Words

• An identifier is simply a name.

```
i
my_variable_name
v13
_dummy
$str
firstName
first_name
firstname
FirstName
```

Reserved Words

JavaScipt keywords

```
if, while, let, const, var, for
```

```
    JavaScript Class, Object, Function properties
        ```js
 from, of, get, and set
```

# • All Keywords

```
as const export get null target
void
async continue extends if of this
while
await debugger false import return throw
with
break default finally in set true
yield
case delete for instanceof static try
catch do from let super typeof
class else function new switch var
```

# • future versions keywords

enum implements interface package private protected public

```
Optional Semicolons
 • ; - semicolon
 let a = 10;
 • Optional (Ihtiyoriy)
 let a = 3
 let b = 4
 • Required (Yozish shart)
 let a = 3; let b = 4
 • code ?
 let a
 а
 console.log(a) /=? Natija qanday chiqadi deb o'ylaysiz?
 let y = a + b
 (a+b).toString()

 Best practice

 let a;
 a = 3;
 console.log(a);
JavaScript types
 Primitive types

 Numbers, booleansz, symbols, null, and undefined are immutable

1. Number -2^53 \le x \le 2^53
 let age = 100;
 2. String
 ```js
```

```
2. String
```js
 let job = "Web developer";
 let language = 'Javascript';
 let description = `I made something`;
```

3. Boolean

```
let isMerriad = false;
let isSingle = true;
```

4. Null

```
let x = null;
```

5. Undefined

```
let x;
```

- Object types
- 6. Object

```
let book = {
 topic: "JavaScript",
 edition: 7,
 value: 7
};
book.topic /=> 'JavaScript'
book["edition"] /=> 7
book.author = "Flanagan";
book.contents = {};
```

7. Array

```
let primes = [2, 3, 5, 7];
primes[0] /=> 2
primes.length /=> 4
primes[primes.length-1] /=> 7
primes[4] = 9; /=> [2, 3, 5, 7, 9]
primes[4] = 11; /=> [2, 3, 5, 7, 11]

let empty = [];
empty.length /=> 0
```

"Array va Object" larni bir birining ichiga joylash mumkin.

Object in Array

Array in Object

```
let data = {
 trial1: [[1,2], [3,4]],
```

```
trial2: [[2,3], [4,5]]
}
```