

# Full stack web development using python

## JavaScript Introduction



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# Agenda

- ① What is Javascript?
- ② History
- ③ Where to write JS?
- ④ Basics of JS
- ⑤ Comments

# What is JavaScript ?

JavaScript is a light weight interpreted or JIT-compiled programming / scripting language with first class functions

## first class functions

When functions are treated as variables , and you can pass them to functions and return from function.

Javascript is multi paradigm,  
dynamic language, supporting  
object-oriented programming.

JavaScript is prototype based  
language, that is, you can  
create an object without first  
defining the class.

Javascript is used in web pages to add functionality, validate forms, communicating with servers and read write html elements

Javascript is a client side scripting language.

Browsers come equipped with Javascript interpreters.

## History

JS was designed by Brendan Eich  
in 1995.

Initially it was known as  
LiveScript

It was first available with Netscape  
Navigator 2.

# Where to write JS?

① In a separate file

```
<script src="url of js file"> </script>
```

② In the same html file

```
<script>
```

JavaScript code here

```
</script>
```

In HTML  
file.

## Basics of JS

Javascript is a sequence of statements to be executed by the browser.

Javascript is a case sensitive language

It is normal to add a semicolon at the end of each executable statement.

However, semicolon is optional.

## Comments

Single line Comment

// comment text

Multiline Comment

```
/*
    Comment text here
    and also here
*/
```