Follow me
for more on

DEV TIPS

Complete Javascript In 10 Slides

JS

📙 *Complete Tutorial Of Javascript →*

Developer With Coffee
@developerwithcoffee

Brought to you by
DWC @ 2021

Shahanwaz ✌
@imshahanwaz

Follow me
for more on


Javascript

- It is a scripting language for web.
- Used to make web pages alive.
- Programs written in it are called **scripts**.
- With **.js** file extension

First Program

To run it we have several options-

- Install **Node.js** and run node file.js in terminal.
- On browser's console
- Online JS code editor

Follow me
for more on

Fundamentals

Variables

Using **let**

```
let user = "John";
```

Using **var** (old way)

```
var message = "Read it!";
```

Constants

```
const LANGUAGE = "JS";
```

Value can't be changed!

Loops

while

```
while(condition) {
  code
}
```

for

```
for(begin;condition;step){
  code
}
```

📌 It is optional to add **semi-colon** at the end of statement in JS.

Developer With Coffee
@developerwithcoffee

Brought to you by
DWC @ 2021

Shahanwaz ✌
@imshahanwaz

Follow me
for more on


Functions

- Main building block of the program
- 2 ways to define function
  a. With **function** keyword
  b. **Arrow functions**

Simple Functions

```
function(name, age) {
  console.log(name + "is" + age + "years old.");
}
```

Arrow Functions

```
let func = (name, age)  ⇒ {
  console.log(name + "is" + age + "years old.");
}
```

Follow me
for more on


Classes

- It is code template used to create objects.

```
class User {
  constructor(name) {
    this.name = name;
  }
  sayName() {
    console.log(this.name);
  }
}
```

👉

```
let user = new User("Tim");
user.sayName(); // Tim
```

Objects

- Stores key-value pair
- Like a dictionary

```
let user = {
  name: "John",
  age: 30
}
```

JSON

- Javascript Object Notation
- Contains data just like objects

```
{
  "user": "John",
  "age": "12",
}
```

Developer With Coffee
@developerwithcoffee

Brought to you by
DWC @ 2021

Shahanwaz ✌
@imshahanwaz

Follow me
for more on


Error Handling

- Allows us to catch errors from scripts.

```
try {
  // code
} catch(error) {
  // error handling
}
```

Regular Expression

- Provides a way to search and replace in text.
- **RegExp** object is used for it. (OR in between **slashes**)

```
regexp = new RegExp("pattern", "flags");
```

```
regexp = /pattern/; // no flags
```

Developer With Coffee
@developerwithcoffee

Brought to you by
DWC @ 2021

Shahanwaz ✌
@imshahanwaz

Follow me
for more on

Include JS In HTML

External JS

```
...
<body>
  ...
  <script src="index.js">
</body>
...
```

Inline JS

```
...
<body>
  <button
    onclick="alert("hi")"
  >Click</button>
</body>
...
```

Embedded JS

```
...
<body>
  <script>
    console.log("hi");
  </script>
</body>
...
```

Module

- Helps us to split JS code into multiple files

```
<script type="module"> ... </script>
```

Follow me
for more on


DOM

- Document Object Model
- It represents all page content as objects of web page.
- **document** object is main entry point to the page.

```
let para = document.getElementById("para");
para.style.color = "grey";
```

BOM

- Browser Object Model
- Additional objects provided by browser

```
console.log(location.href); // current URL
```

Follow me
for more on


Events

- Action that may happen from input and to react on it.
- For example user clicks a button to submit form.
- **addEventListener()** method is used to create events.

```
// Select a DOM element
let btn = document.querySelector("button");
```

```
// Add Event Listener
btn.addEventListener("click", () ⇒ {
  btn.style.background = "grey";
  btn.style.color = "white";
})
```

🤓 I hope you got something out from this. There are so many other topics to be covered but this is for beginners who are starting out in web dev.

Developer With Coffee
@developerwithcoffee

Brought to you by
DWC @ 2021

Shahanwaz ✌
@imshahanwaz