

ANT

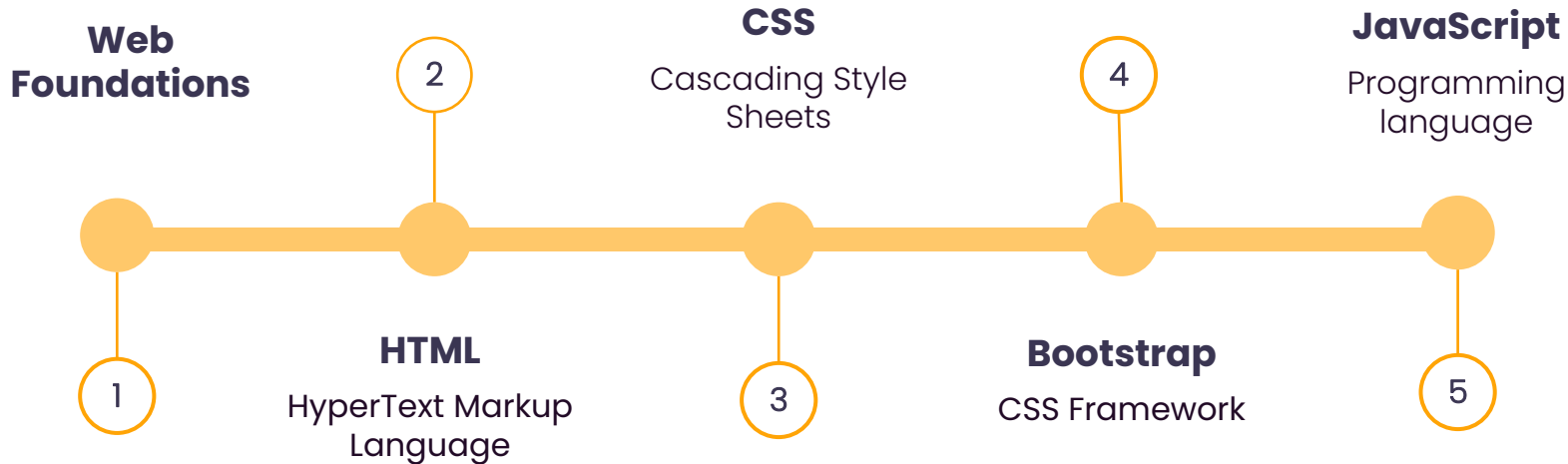
Abstract of New Technology

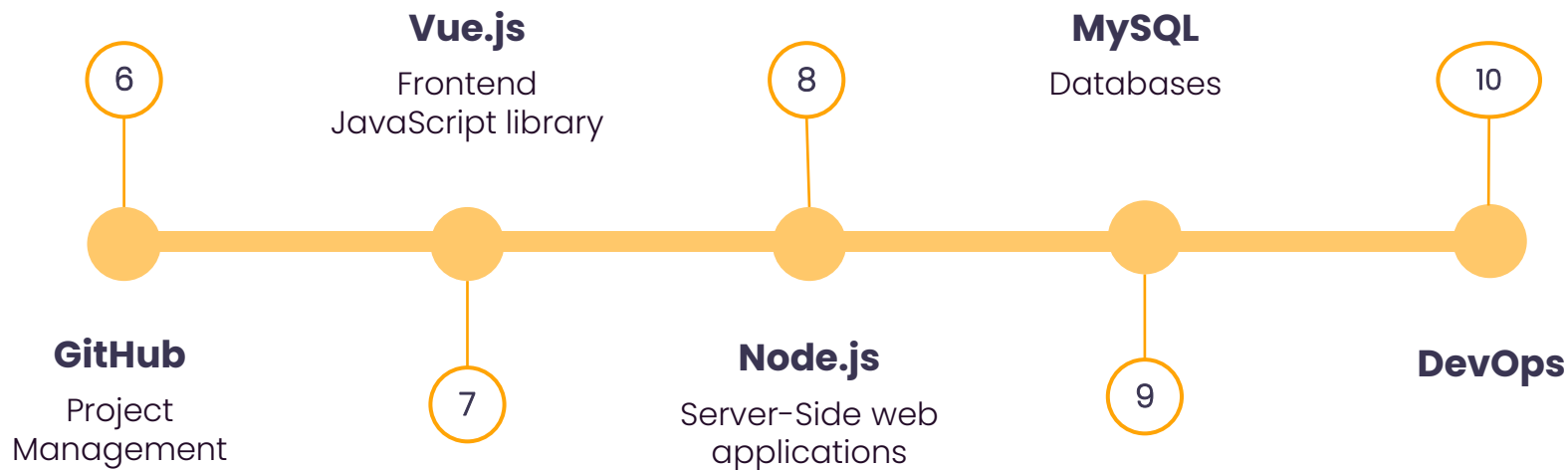
Javascript Overview



Prepared By : **Mr. Chen Sovanminea**

Roadmap





Introduction



What is Javascript?

- ❑ A scripting language is a lightweight programming language.
- ❑ JavaScript is programming code that can be inserted into HTML pages.
- ❑ JavaScript inserted into HTML pages, can be executed by all modern web browsers.
- ❑ JavaScript is easy to implement.
- ❑ JavaScript was invented by **Brendan Eich**. It appeared in Netscape (a no longer existing browser) in 1995, and has been adopted by ECMA (a standard association) since **1997**.
Nowadays, JavaScript has released its version to **ES14** and it is the latest version.
- ❑ Because **ES14** version is the latest so, it we should learn about the latest feature



Introduction (cont.)



What can we do with Javascript?

- ☐ Writing Into HTML Output
- ☐ Changing HTML Styles
- ☐ Changing HTML Content
- ☐ Changing HTML Images
- ☐ Add events to HTML Elements



Did you know?

JavaScript and **Java** are two completely different languages, in both concept and design. **Java** (invented by **Sun**) is a more complex programming language in the same category as C.

Javascript How to



JavaScript can be added to HTML file in two ways :

- **Internal JS:** We can add JavaScript directly to our HTML file by writing the code inside the `<script>` tag. The `<script>` tag can either be placed inside the `<head>` or the `<body>` tag according to the requirement.
- **External JS:** We can write JavaScript code in another files having an extension.js and then link this file inside the `<head>` tag of the HTML file in which we want to add this code.



Javascript Output

Alert Function

- ❑ In Javascript, the `alert` function is a simple way to display a message to the user in a dialog box.

Example

```
<script>  
    alert('Hello world');  
</script>
```

- ❑ When this code is executed, a dialog box will appear with the message "Hello, world!" and an "OK" button.



Javascript Output (cont.)

Console.log Function

- ❑ `console.log` is a JavaScript function used to print messages and values to the console.

Example

<script>

`console.log('Hello world');`

</script>

- ❑ In this example above, the message "Hello, world!" will be printed to the console.

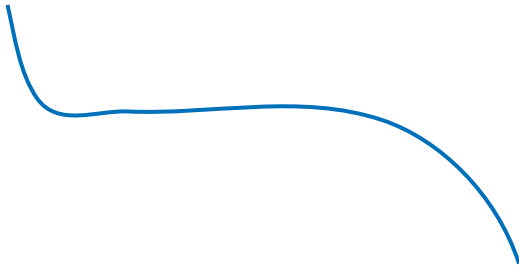


Javascript Output (cont.)

Manipulating HTML Element

- ❑ To access an HTML element from JavaScript, you can use the `document.getElementById(id)` method.
- ❑ Use the "id" attribute to identify the HTML element.
- ❑ Access the HTML element with the specified id, and change a content.

Example



Javascript Output (cont.)

```
<html>
```

```
<body>
```

```
<h1>ANT Training Center</h1>
```

```
<p id="demo">Hello World</p>
```

```
<script>
```

```
    document.getElementById("demo").innerHTML="Javascript";
```

```
</script>
```

```
</body>
```

```
</html>
```

- ❑ In this example above, the browser will access the HTML element with **id="demo"**, and replace its content (**innerHTML**) with **"Javascript"**.



Javascript Comment

Javascript Comments

- ❑ Comments can be added to explain the JavaScript, or to make the code more readable.
- ❑ Comments will not be executed by JavaScript.
- ❑ Single line comments start with **//**
- ❑ Multi line comments start with **/*** and end with ***/**

Did you know?

- ❑ JavaScript comments can also be used to prevent execution, when testing alternative code.





Thanks!

