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WriteUp:

We have studied JavaScript this week.

1. JS Where To:

first it was in head and in body, and better to use in head.

Just like css, it could be define as inline, internal and external.

2. JS Output:

The innerHTML property defines the HTML content

For testing purpose it is better to convenient to use document.write()

For debugging purposes console.log() method to display data

Alert is used to prompt in new window, this alarming

3. JS Statement:

javascript statements includes Values, Operators, Expressions, Keywords, and Comments.

Semi colons are betters to use.

WhiteSpaces are betters to use, it won’t impact on statements.

4. JS Comments:

// is simply used to comment single line

/ *\* can comment data till next \* / found.*

*5. JS Variable:*

*unlike int or varchar, JavaScript use var which is defined on run time.*

*undefine is the datatype in JS.*

*Undefine is not null.*

*Object which is defined as null is not null, it is object.*

*6. JS Operators:*

*JS has operators just like Java.*

*+, -, \*, \*\*, /, %, ++, –*

*% is use for modulus (Division Remainder)*

*\*\* is use for exponentiation.*

7. JS Arithmetic:

1. <<, >> , >>>(unsigned) has used to shift left, right.

2. == is not equals to ===, === check variable data type.

3. >>>= is used for shift and signed.

8. JS Datatype:

Data-types: string, number, boolean and undefined, function & object

Null is object

Typeof is used to check type of variable

9. JS Functions:

Functions of JS has defined within script.

Function can be executed directly or can be executed from onclick etc.

10. JS Object:

It has shaped with JSON.

Do not declare Strings, Number and Boolean as Object, it slows speed.

11. JS Events:

JS has different events, like onclick, onchange and onload etc.

Many HTML events are included in JavaScript.

12. JS Strings:

could be defined with ‘single quote’ or with “double quote”.

‘, “, \ can not be used directly, so extra \ is used called escape character.

Just like java, String has many similar method like java. For example (indexOf, length and search)

13. JS Default Methods.

To convert number in to String we can used toString().

To make number round, we use toFixed(), if we pass parameter, it make number accordingly.

14. JS Array:

Two way to define…

first is new Array(“value 1”, “value 2”) and second is like JSON var car[“value1”, “value2”]

can have different datatypes in one array.

Have different supporting methods.

Looping is simple (foreach and for are easy)

Array are numbered instead of this objects are named.

Better to avoid new Array.

Popping and Pushing has used for queueing method, while shifting and unused to alter array from front.

Use .sort and .reverse to sort array accordingly, while min and max function of JS can be used to find values.

15. JS Math, random

Just like Java math library is also included in JavaScript, having functions .pow and .sqrt etc.

Math.random provide random value, can pass parameter for different features.

16. JS Loops:

foreach, for and while all have same like java.

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