Module 8) JavaScript JavaScript Operators

Question 1: What are the different types of operators in JavaScript? Explain with examples.

- Arithmetic operators
- Assignment operators
- Comparison operators
- Logical operators
- **1.Arithmetic Operators:** Perform basic math operations.

```
(+ - * / % )
```

Example:

Javascript

```
var a = 31;
var b = 10;
    var mod=a%b;
    document.write(mod);
```

2. Assignment operators: Assign values to variables.

```
(= += -= *= /= \% = a=10 a+=b a=a+b; // a-=b a=a-b)
```

Example:

Javascript

```
var a=20;
var b=30;
document.write(a=a+b); // a=a+b; a+=b
```

3. Comparison Operators: Compare two values and return **true** or **false**.

```
(==!= > < <= >=)
```

Example:

<u>Javascript</u>

Example:

Javascript

Question 2: What is the difference between == and === in JavaScript?

== (Loose Equality): Compares values, converting types if necessary.

Example:

javascript

```
let a = 5, b = "5";
let isEqual = a == b; // true (because "5" is converted
to number 5)
```

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=== (Strict Equality): Compares both value and type without conversion.

Example:

<u>javascript</u>

let a = 5, b = "5";

• let isStrictlyEqual = a === b; // false (because one is a number and the other is a string)