

Comments in JS

Part of Code which is **not executed**

```
1  //This is a single line comment
2
3  /* This is a multi-line
4  |   comment. */
```

Operators in JS

Used to perform some **operation** on data

Arithmetic Operators

+, -, *, /

- **Modulus**
- **Exponentiation**
- **Increment**
- **Decrement**

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Operators in JS

Assignment Operators

= += -= *= %= **=

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Operators in JS

Comparison Operators

Equal to **==**

Not equal to **!=**

>, >=, <, <=

Equal to & type **===**

Not equal to & type **!==**

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Operators in JS

Logical Operators

Logical AND **&&**

Logical OR **||**

Logical NOT **!**

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Conditional Statements

To implement some condition in the code

if Statement

```
let color;  
if(mode === "dark-mode") {  
  color = "black";  
}
```

Conditional Statements

if-else Statement

```
let color;  
if(mode === "dark-mode") {  
  color = "black";  
} else {  
  color = "white";  
}
```

Conditional Statements

else-if Statement

```
if(age < 18) {  
    console.log("junior");  
} else if (age > 60) {  
    console.log("senior");  
} else {  
    console.log("middle");  
}
```


Operators in JS

Ternary Operators

condition ? true output : false output

```
age > 18 ? "adult" : "not adult";
```

MDN Docs

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Let's Practice

Qs1. Get user to input a number using prompt("Enter a number:"). Check if the number is a multiple of 5 or not.

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Let's Practice

Qs2. Write a code which can give grades to students according to their scores:

- **80-100, A**
- **70-89, B**
- **60-69, C**
- **50-59, D**
- **0-49, F**

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