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

Operators in JS

Assignment Operators

$=$ $+=$ $-=$ $*=$ $\%=$ $**=$

Operators in JS

Comparison Operators

Equal to **==**

Equal to & type **===**

Not equal to **!=**

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

> < >= <=

Operators in JS

Logical Operators

Logical AND   **&&**

Logical OR   **||**

Logical NOT   **!**

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

condition ? true output : false output

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

Prompt

Prompt is a predefined function in JavaScript.
It prompts the message in the popup of box and Reads input and returns in
the form of a string.

Example : let x = prompt("Enter a Number");

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.

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