

while loop in js

In JavaScript, a "while" loop is a looping statement that allows you to repeatedly execute a block of code as long as a specified condition evaluates to true. It executes a block of code as long as a specified condition evaluates to **true**. The loop will continue to run until the condition becomes **false**. The syntax of a while loop looks like this:

```
Initialization
while (condition)
{
    // Code to be executed as long as the condition is true
    inc/dec
}
```

Example:

```
let count=1;
while (count <= 5)
{ console.log("Count: " + count);
  count++;
}
```

In the above example:

- We initialize a variable **count** with the value **1**.
- The while loop's condition is **count <= 5**. As long as **count** is less than or equal to **5**, the loop will continue to execute.
- Inside the loop, we use **console.log** to print the current value of **count**.
- We then increment **count** by 1 using the **count++** statement.
- The loop will execute repeatedly until **count** becomes greater than **5**, at which point the condition becomes false, and the loop terminates.