JavaScript Syntax, Matlab aur Use (Hindi Mein)

1. Variables (var, let, const)

- var x = 10;

  Matlab: "x" naam ka ek variable banaya gaya hai jisme 10 store hai.

   Use: Agar aapko kisi value ko baar-baar use karna hai to uske liye variable banate hain.

- let name = "Ali";

  Matlab: "name" ek variable hai jisme "Ali" string store hai.

  Use: Yeh block ke andar hi kaam karega, jaise if ya loop ke andar.

- const PI = 3.14;

  Matlab: "PI" ki value kabhi nahi badlegi.

  Use: Aisi value jise change nahi karna ho, uske liye const use karte hain.

2. Functions

- function greet() {

    console.log("Hello");

  }

  Matlab: "greet" naam ka function banaya gaya hai jo "Hello" print karega.

  Use: Bar-bar ek hi kaam karne ke liye function banaya jata hai.

- greet();

  Matlab: Function ko call kiya gaya.

  Use: Jab bhi aapko function ka kaam chahiye ho, use call karte hain.

3. Conditions (if, else)

```
- if(age >= 18) {
    console.log("Adult");
  } else {
    console.log("Not Adult");
  }
```

Matlab: Agar age 18 ya usse zyada ho to "Adult" print hoga, warna "Not Adult".

Use: Decision lene ke liye use hota hai.

4. Loops (for, while)

```
- for(let i = 0; i < 5; i++) {
    console.log(i);
  }
```

Matlab: i = 0 se start hoga, jab tak 5 se chhota hai, tab tak chalega.

Use: Repeat kaam karne ke liye loop use hota hai.

5. Events (onclick)

```
- <button onclick="sayHi()">Click Me</button>
```

Matlab: Jab button click hoga, "sayHi" function chalega.

Use: User interaction handle karne ke liye.

6. DOM Access

```
- document.getElementById("demo").innerHTML = "Hello";
```

Matlab: "demo" id wale element me "Hello" dikhaya jayega.

Use: HTML content ko JavaScript se change karne ke liye.

7. Array

- let fruits = ["Apple", "Banana"];

  Matlab: Ek array jisme do fruits hain.

  Use: Ek se zyada values ek variable me store karne ke liye.

- fruits.push("Mango");

  Matlab: Array ke end me "Mango" add hoga.

8. Objects

- let user = {name: "Ali", age: 30};

  Matlab: Ek object jisme 2 properties hain - name aur age.

  Use: Real-world data ko represent karne ke liye.

- console.log(user.name);

  Matlab: Object ke andar ka name access kiya gaya.

9. JSON

- let json = '{"name":"Ali"}';

- let obj = JSON.parse(json);

  Matlab: JSON string ko object me convert kiya.

- let str = JSON.stringify(obj);

  Matlab: Object ko JSON string me convert kiya.

10. Fetch API (Asynchronous kaam)

- fetch("url")

    .then(res => res.json())

    .then(data => console.log(data));

Matlab: Kisi API se data mangwana aur use console me dikhana.

Use: Online data fetch karne ke liye.

11. Local Storage

- localStorage.setItem("name", "Ali");

Matlab: Browser me "name" key ke saath "Ali" store kiya.

Use: Data ko local browser me store karne ke liye.

- localStorage.getItem("name");

Matlab: "name" wali value ko wapas lena.

Yeh sab syntax ke matlab aur unka istemal aapko JavaScript ke har part me madad karega.