1] Spread Operator

2] Rest Operator

3] Local Storage

```javascript
// spread operator:
let arr = [1, 2, 3];

let arr1 = [5, 4, 6, ...arr];
console.log(arr1);

let arr1 = [...arr, 5, 4, 6];
console.log(arr1);

let arr1 = [5, 4, ...arr, 6,];
console.log(arr1);

let arr2 = [4, 5, 6];
let arr3 = [...arr, ...arr2];
console.log(arr3);

rest paramaters:

function sum(...args) {
  console.log(args);
}
sum();
sum(1);
sum(1, 2, 3, 4);

function sum(...args) {
  let sum = 0;
  for (let i = 0; i < args.length; i++) {
    sum = sum + args[i];
```

```javascript
    }
    console.log(sum);
}
sum();
sum(1);
sum(1, 2, 3, 4);

rest operator
const books = ['java', 'c', 'js', 'c#'];
const [featureBooks, ...OtherBooks] = books;
console.log(featureBooks);
console.log(OtherBooks);

spread operator in objects
let person = {
    name: "Rohit",
    age: 23,
    city: "Bangalore"
}

let person1 = {
    fname: "akash",
    lname: "kumar",
    ...person
}

console.log(person1);

// local storage: String
let user = {
    name: "Harshal",
    age: 25,
    city: "Indore",
    gmail:"harshal2345@gmail.com"
}
```

```javascript
//set item
localStorage.setItem('user',JSON.stringify(user));

//get item
const store = localStorage.getItem('user');
console.log(store);


// objects
let user = {
    name: "Harshal",
    age: 25,
    city: "Indore",
    gmail: "harshal2345@gmail.com"
};

// Set item
localStorage.setItem('user', JSON.stringify(user));

// Get item
const storedUser = localStorage.getItem('user');
const parsedUser = JSON.parse(storedUser);

console.log(parsedUser);


// remove items:
let user = {
    name: "Harshal",
    age: 25,
    city: "Indore",
    gmail:"harshal2345@gmail.com"
}
//set item
localStorage.removeItem('user');
```

```javascript
//get item
const store = localStorage.getItem('user');
console.log(store);


let user = {
    name: "Harshal",
    age: 25,
    city: "Indore",
    gmail:"harshal2345@gmail.com"
}

let user1 = {
    name: "mahesh",
    age : 40
}

//set item
localStorage.setItem('user',JSON.stringify(user));
localStorage.setItem('user1', JSON.stringify(user1));


//get item
// const store = localStorage.getItem('user1');
// console.log(store);

//clear
localStorage.clear();

const store1 = localStorage.getItem('user1');
console.log(store1);
```