2. Rest Parameter

With Rest Parameter, we can pack multiple values into an array.

```javascript
function numbers(...args) {
  console.log(args);   // [1, 2, 3]
}

numbers(1, 2, 3);
```

2.1 Destructuring arrays and objects with Rest Parameter Syntax

2.1.1 Arrays

```javascript
let [a, b, ...rest] = [1, 2, 3, 4, 5];

console.log(a);   // 1
console.log(b);   // 2
console.log(rest);   // [3, 4, 5]
```

2.1.2 Objects

```javascript
let { firstName, ...rest } = {
  firstName: "Rahul",
  lastName: "Attuluri",
  age: 27
};

console.log(firstName);   // Rahul
console.log(rest);   // Object {lastName: "Attuluri", age: 27}
```

> **📋 Note**
>
> The Rest parameter should be the last parameter.

```javascript
function numbers(a, b, ...rest) {
  console.log(a);    // 1
  console.log(b);    // 2
  console.log(rest);   // [3, 4, 5]
}
numbers(1, 2, 3, 4, 5);
```

```javascript
function numbers(a, ...rest, b) {
  console.log(a);
  console.log(rest);
  console.log(b);
}
numbers(1, 2, 3, 4, 5);  // Uncaught SyntaxError: Rest parameter must be last formal parameter
```

3