JS Rest operator

- It is denoted by 3 Dots → (. . .) → array / jas... / No of Arguments

- Used → Function Parameter → represent → Indefinate → No of Arguments

Case 1

- Collecting Remaining Arguments in Function

```
<script>
    var q1 = document.querySelector("p");
    function Sum(...numbers){                    → array format
         return numbers.reduce((total, num)
                                    => total + num, 0);
    }
    q1.innerHTML = Sum(1,2,3,4,5);  //20
</script>
```
%: 20

number → collect these argument → into → array → [1,2,3,4,5]

Intial Value → 0 → num   total + num (num)
                                              Intial val
                                              6
Case 2   0 + 2 = 8
                                              8 + 3 = 11
~) Ignore Some Parameters   11 + 4 = 15
                                              15 + 5 = 20
```
<script>
    var q1 = document.querySelector("p");
    function logDate(format, ...value){
         console.log(new Date(), format, value);
    }
    q1.innerHTML
        = logDate("DD/MM/YY", "ignored", (value));
</script>
```

Array (Iterating)   total

console %
Mon May ... (IST)
(DD/MM/YY)
(2)
(igi...

Case 3) Destructuring Arrays

```
<script>
    var q1 = document.querySelector("p");
    const [first, ...rest] = [1,2,3,4,5];
    q1.innerHTML = "First : " + first + ", Remaining :
                    " + rest;
</script>
```

%p " First: 1, Remaining :2,3,4,5

Case 4) Destructuring Objects

```
<script>
    var q1 = docu .querySelector("p1");
    const {a,b,...rest} = {
        a:1,
        b:2,
        c:3,
        d:4
    };
    q1.innerHTML = `First 2: ${a},${b} , Rest :${rest}`;
</script>
```