

REST OPERATOR

The rest operator in JavaScript allows a function to take an indefinite number of arguments and bundle them in an array,

Syntax

The rest operator is denoted by three dots (...) as a prefix followed by the name of the parameter. Let us see the syntax of the rest operator in JavaScript to understand it in a better way:

```
function fname(a,b,...myRest) {  
    //statements  
}
```

WE WILL GET ERROR IN BELOW 2 CONDITIONS
BECAUSE REST OPERATOR SHOULD BE THE
LAST PARAMETER TO PASS

```
/* error */  
function fname(a,...myRest, b) {  
    //statements  
}
```

```
/* error */  
function fname(...firstRest , a ,...secondRest) {  
    //statements  
}
```

**** IF WE ARE NOT USING REST OPERATOR
MEANS SEE BELOW EXAMPLE WE WILL GET
ERROR**

```
// function without rest parameter
function addition(x, y) {
  return x + y;
}
console.log(addition(4, 5));
console.log(addition(4, 5, 6, 7, 8));
```

Output:

```
9
9
```

IF WE ARE USING REST OPERATOR WE WILL GET OUTPUT EASILY—

```
// Example with rest parameter
function addition(...myArgs) {
  let sum = 0;
  for (let i of myArgs) {
    sum += i;
  }
  return sum;
}
console.log(addition(5, 6));
console.log(addition(5, 6, 7));
console.log(addition(5, 6, 7, 8, 9));
```

Output:

```
11
18
35
```