

Function Declaration

```
function walk() {  
  console.log('walk');  
}
```

Function Expression

```
const run = function() {  
  console.log('run');  
}
```

```
run();
```

Iterating function arguments

```
function sum() {
```

```
  let total = 0;
```

```
  for (let value of arguments)
```

```
    total += value;
```

```
  return total;
```

```
}
```

```
console.log(sum(1, 2, 3, 4, 5, 10));
```

~~result = 25~~ output = 25

The Rest Operators

```
function Sum (discount, ... Prices, Some Value) {  
  const total = Prices.reduce ((a, b) => a+b);  
  return total * (1 - discount);  
}  
  
console.log (Sum (0.1, 20, 30));
```

Here ... is the rest operator. Rest operator should be the last value in Parameters.

Default Parameters

```
function interest (principal, rate = 3.5, years = 5) {  
  return principal * rate / 100 * years;  
}  
  
console.log (interest (1000));
```

Output

1750

Getters and Setters

```
const person = {  
  firstName: 'Arun',  
  lastName: 'Kumar',  
  get fullName() {  
    return ` ${person.firstName}  
    ${person.lastName}  
  },  
  set fullName(value) {  
    const parts = value.split(' ');  
    this.firstName = parts[0];  
    this.lastName = parts[1];  
  }  
};  
person.fullName = 'John Smith';  
console.log(person);
```

Here fullName is act as a property of person.

getters \Rightarrow access properties

Setters \Rightarrow Change (Mutate) them