## Array Items – reduce method

```
let marks = [40,60,80,40]
  let sum = marks.reduce((total,value)=>{
    return total + value
  })
  console.log(sum)
```

## Array Items – example

let score=[5,6,3]

- let result = score.map()
  1. result will be an array
  2. result will have 3 elements
- 3. result will have same or modified values

- let result = score.filter()
  1. result will be an array
  2. result will have 3 or less than 3 elements
- 3. result will have same values

let result = score.find()
1. result will be a value

- 2. result will have single value 3. result will have 5 or 6 or 3

- let result = score.reduce()
  1. result will be a value
  2. result will have single value
  3. result will have total of all the values

## Array Methods

## Array of Objects

```
<script>
   const products = [
     { name: "Product 1", price: 300 },
{ name: "Product 2", price: 100 },
{ name: "Product 3", price: 500 },
   const cart = [];
    let item = products[0];
   item.quantity = 2;
   item.total = item.quantity * item.price;
   cart.push(item);
   item = products[2];
   item.quantity = 3;
   item.total = item.quantity * item.price;
   cart.push(item);
   console.log(cart);
   let orderValue = cart.reduce((sum, value) => {
     return sum + value.total;
   console.log("Order Value is", orderValue);
  </script>
```