```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Document</title>
7   </head>
8   <body>
9       <h1>ES6</h1>
10      <h1>Rest and Spread Operator</h1>
11
12      <script>
13          //spread operator
14          //it allows us to take all element from the array and include then individually in the new
    array. think of it as expanding the elements of the array
15          //es6
16          //rest and spread operator
17
18          //rest operator:- jo number supply kar rahe hai usko combine kar dega
19          //jo ki array hoga
20          //es6
21          // function addNum(a,b,c,...others){
22          //      console.log(others)
23          //   return a+b+c;
24          // }
25          // const result=addNum(2,5,6,8,9)
26          // console.log(result)
27
28  // //es5
29  // function addNum(a,b,c,...others){
30  //              console.log(arguments)//sare element ko print karega
31  //            return a+b+c;
32  //          }
33  //          const result=addNum(2,5,6,8,9)
34  //          console.log(result)
35
36
37  //spread operator  array ko kholenge ya break karenge
38
39  // let arr=["shubh","nitish","aswani"];
40  // function printaName(name1,name2,name3){
41  //      console.log(name1,name2,name3)
42  // }
43  // printaName(arr[0],arr[1],arr[2])
44  // printaName(...arr) //combine pass =
45  // printaName(arr)//array print karega
46
47  //destructuring
48  // var students={
49  //      name:"ajay",
50  //      age:"28",
51  //      hobbies:["cricket","singing"]
52  // }
53  // // const age=students.age; //old method
54  // const {age,name}=students
```

```
// console.log(age,name)

//with object ke sath
//rest combine kiya
// var students={
//      name:"ajay",
//      age:"28",
//      hobbies:["cricket","singing"]
// }
// const {age,...rest}=students;
// console.log(rest)



//spread
// var students={
//      name:"ajay",
//      age:"28",
//      hobbies:["cricket","singing"]
//   }
// var newStudents={
//      ...students,
//      age:29 //age ko overight kar diya
// }
// console.log(newStudents)







    </script>
</body>
</html>
```