

```

1 ////////////////////////////////////////////////////////////////////////////////////////////////////////////////// */
2 /*                                                                    */
3 /*          UTILISATION DE "EVERY", "SOME" ET "REDUCE"                */
4 /*                                                                    */
5 ////////////////////////////////////////////////////////////////////////
6
7 // "EVERY" pour vérifier si toutes les valeurs d'un tableau répondent à une
8 condition
9
10 const teamOne = [
11   {
12     name: "Bob",
13     age: 19
14   },
15   {
16     name: "Pierre",
17     age: 17
18   },
19   {
20     name: "Karl",
21     age: 16
22   },
23   {
24     name: "Ryan",
25     age: 21
26   }
27 ];
28
29 function checkIfAdult(array) {
30   if (array.every(player => player.age > 18)) {
31     return 'Everybody is more than 18 years old.';
32   } else {
33     return 'At least one player is less than 18 yearold old.';
34   }
35 }
36 console.log(checkIfAdult(teamOne));
37
38
39 // "SOME" pour vérifier si au moins une valeur répond à une condition
40
41 const teamTwo = [
42   {
43     name: "Bob",
44     age: 19
45   },
46   {
47     name: "Pierre",
48     age: 17
49   },
50   {
51     name: "Karl",
52     age: 22
53   },
54   {
55     name: "Ryan",
56     age: 20
57   }
58 ];
59
60 function checkIfNotAdult(array) {

```

```
61 |     if (array.some(player => player.age < 18)) {
62 |         return 'At least one player is less than 18 year old.';
63 |     }
64 | }
65 |
66 | console.log(checkIfNotAdult(teamTwo));
67 |
68 |
69 | // "REDUCE" pour réduire un tableau pour obtenir une valeur unique
70 |
71 | const cart = [
72 |     { name: "eggs", price: 2 },
73 |     { name: "milk", price: 1 },
74 |     { name: "tomatoes", price: 1 },
75 |     { name: "Cheese", price: 2 }
76 | ];
77 |
78 | let result = cart.reduce((acc, currentValue) => acc + currentValue.price, 0);
79 | console.log(result);
80 |
81 | const students = [
82 |     {
83 |         name: "Vincent",
84 |         note: 16
85 |     },
86 |     {
87 |         name: "Bernard",
88 |         note: 8
89 |     },
90 |     {
91 |         name: "Michel",
92 |         note: 12
93 |     },
94 |     {
95 |         name: "Jacques",
96 |         note: 19
97 |     },
98 | ];
99 |
100 | let moyenne = students.reduce((acc, currentValue) => acc + currentValue.note, 0) /
    students.length;
101 | console.log(`La moyenne de la classe est de : ${moyenne}/20.`)
```