

script.js

```
1  /*
2
3  7. For a given array of 10 students' ages i.e 19, 22, 19, 24, 20, 25, 26, 24, 25, 24
4
5  Sort the array and find the min and max age
6
7  Find the median age (one middle item or two middle items divided by two)
8
9  Find the average age (all items divided by the number of items)
10
11 Find the range of the ages(max minus min)
12
13 Compare the value of (min - average) and (max - average), using abs() method
14
15 */
16
17 console.clear();
18
19 const ages = [19, 22, 19, 24, 20, 25, 26, 24, 25, 24];
20
21 const sortedAges = ages.sort((a, b) => a - b);
22
23 console.log("Sorted ages: ", sortedAges);
24
25 const minAge = sortedAges[0];
26
27 const maxAge = sortedAges[sortedAges.length - 1];
28
29 console.log("Minimum age: ", minAge);
30
31 console.log("Maximum age: ", maxAge);
32
33 const medianAge = sortedAges[Math.floor(sortedAges.length / 2)];
34
35 console.log("Median age: ", medianAge);
36
```

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37 const averageAge = sortedAges.reduce((a, b) => a + b, 0) / sortedAges.length;
38
39 console.log("Average age: ", averageAge);
40
41 const rangeAge = maxAge - minAge;
42
43 console.log("Range age: ", rangeAge);
44
45 const difference = Math.abs(minAge - averageAge) + Math.abs(maxAge - averageAge);
46
47 console.log("Difference: ", difference);
```