

Ques1)

```
/* Q1.) Write the code, one line for each action:
Create an empty object user.
Add the property name with the value John.
Add the property surname with the value Smith.
Change the value of the name to Pete.
Remove the property name from the object. */

const user = {};
user.name = "John";
user.surname = "Smith";
user.name = "Pete";
delete user.name;
```

Ques2)

```
13
14 /* Q2.) Write the function isEmpty(obj) which returns true if the object has no properties, false otherwise.
15 Should work like that:
16 let schedule = {};
17 alert( isEmpty(schedule) ); // true
18 schedule["8:30"] = "get up";
19 alert( isEmpty(schedule) ); // false */
20
21 function isEmpty(obj) {
22   let count = 0;
23   for (const key in obj) {
24     count++;
25     break;
26   }
27   return count === 0;
28 }
29
30 let schedule = {};
31 console.log(isEmpty(schedule));
32 schedule["8:30"] = "get up";
33 console.log(isEmpty(schedule));
34
35 ///////////////////////////////////////////////////
36 ///////////////////////////////////////////////////

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

● PS E:\visual studio code\js-geek\js-classroom> node .\snippet.js
true
false
```

Ques3)

```
35 /* Q3.) We have an object storing salaries of our team:
36 let salaries = {
37   John: 100,
38   Ann: 160,
39   Pete: 130
40 }
41 Write the code to sum all salaries and store in the variable sum. Should be 390 in the example above.
42 If salaries is empty, then the result must be 0. */
43
44 let salaries = {
45   John: 100,
46   Ann: 160,
47   Pete: 130,
48 };
49
50 function totalSalary(obj) {
51   let total = 0;
52   for (const key in obj) {
53     total += obj[key];
54   }
55   return total;
56 }
57 const sum = totalSalary(salaries);
58 console.log(sum);

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● PS E:\visual studio code\js-geek\js-classroom> node .\snippet.js
390
```

Ques4)

```
room > snippets > ...  
/* Q4.) Create an object calculator with three methods:  
read() prompts for two values and saves them as object properties with names a and b.  
sum() returns the sum of saved values.  
mul() multiplies saved values and returns the result.  
let calculator = {  
  // ... your code ...  
};  
  
calculator.read();  
alert( calculator.sum() );  
alert( calculator.mul() );  
*/  
const prompt = require("prompt-sync")({ sigint: true });  
  
let calculator = {  
  a: 0,  
  b: 0,  
  read: function () {  
    a = Number(prompt("Enter value of a:"));  
    b = Number(prompt("Enter value of b:"));  
  },  
  sum: function () {  
    return a + b;  
  },  
  mul: function () {  
    return a * b;  
  },  
};  
calculator.read();  
console.log(calculator.sum());  
console.log(calculator.mul());
```

```
PS E:\visual studio code\js-geek\js-classroom> node .  
Enter value of a:8  
Enter value of b:2  
10  
16  
PS E:\visual studio code\js-geek\js-classroom>
```