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1  /* PRACTICAL-10: a) Write a JavaScript to list the properties of an object using iterator and generator.
2  b) Write a JavaScript to delete the name property and change the class property value from the following object. Also
   print the object before and after the said operations. [Hint: Use data properties of a JavaScript object.]
3  c) Write a JavaScript to update the rollno property value based on the class value. Perform this using accessor
   property of a JavaScript object. [Hint: for class: VI, the rollno is 12. If the class: V, the rollno should be 13.]
4  Sample object:
5  let student = { name : "David Rayy", class : "VI", rollno : 12 };
6
7  Name: Angat Shah
8  Enrollment No: 202203103510097
9  Branch: B.Tech Computer Science and Engineering */
10
11 // CODE:
12
13 // I. Iterator & Generator
14
15 let obj = {
16     Key1: '1',
17     Key2: '2',
18     Key3: '3'
19 };
20
21 console.log("--> Listing Properties Using Iterator:");
22 let iterator = Object.keys(obj)[Symbol.iterator]();
23 for (let key of iterator) {
24     console.log(key);
25 }
26
27 console.log("\n--> Listing Properties Using Generator:");
28 function* generateKeys(object) {
29     for (let key in object) {
30         yield key;
31     }
32 }
33 let generator = generateKeys(obj);
34 let next = generator.next();
35 while (!next.done) {
36     console.log(next.value);
37     next = generator.next();
38 }
39
40 // II. Delete Name Property
41 let student = { name: "David Rayy", sclass: "VI", rollno: 12 };
42
43 console.log("\n--> Before Deletion:");
44 console.log(student);
45
46 delete student.name;
47 student.sclass = "VII";
48
49 console.log("--> After Deletion:");
50 console.log(student);
51
52 // III. Accessor Property
53 let student1 = {
54     _name: "David Rayy",
55     _sclass: "VI",
56     get rollno() {

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57     return this._sclass === "VI" ? 12 : 13;
58 }
59 };
60
61 console.log("\n--> Before Update:");
62 console.log(student1);
63 console.log("Roll No:", student1.rollno);
64
65 student._sclass = "V";
66
67 console.log("--> After Update:");
68 console.log(student1);
69 console.log("Roll No:", student1.rollno);
70
71 console.log("\n-*-*-*-*END OF PRACTICAL 10-*-*-*-*")
```