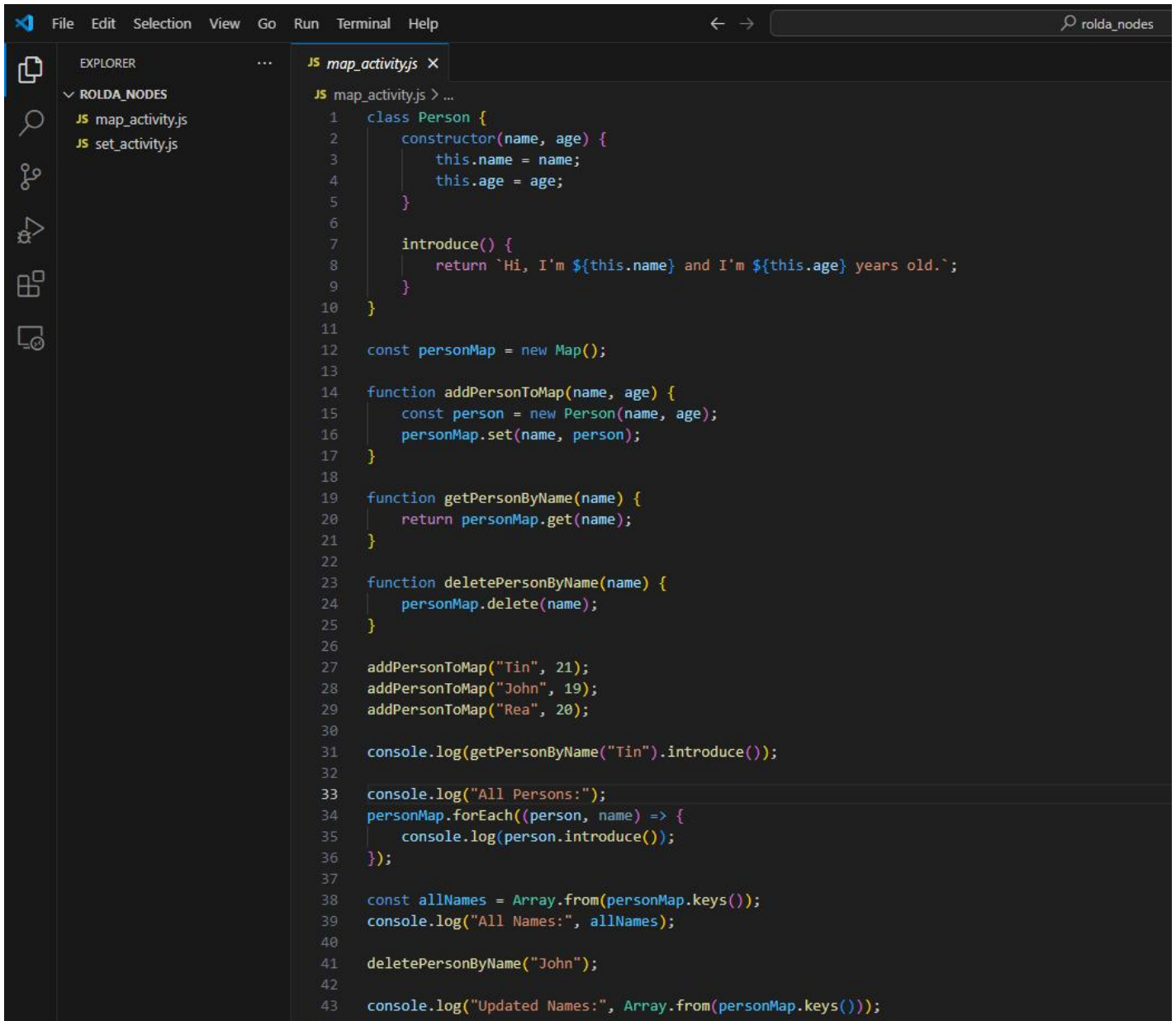


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IT PC 222

### Activity: MAP

- Source Code



```
1  class Person {
2      constructor(name, age) {
3          this.name = name;
4          this.age = age;
5      }
6
7      introduce() {
8          return `Hi, I'm ${this.name} and I'm ${this.age} years old.`;
9      }
10 }
11
12 const personMap = new Map();
13
14 function addPersonToMap(name, age) {
15     const person = new Person(name, age);
16     personMap.set(name, person);
17 }
18
19 function getPersonByName(name) {
20     return personMap.get(name);
21 }
22
23 function deletePersonByName(name) {
24     personMap.delete(name);
25 }
26
27 addPersonToMap("Tin", 21);
28 addPersonToMap("John", 19);
29 addPersonToMap("Rea", 20);
30
31 console.log(getPersonByName("Tin").introduce());
32
33 console.log("All Persons:");
34 personMap.forEach((person, name) => {
35     console.log(person.introduce());
36 });
37
38 const allNames = Array.from(personMap.keys());
39 console.log("All Names:", allNames);
40
41 deletePersonByName("John");
42
43 console.log("Updated Names:", Array.from(personMap.keys()));
```

- Output

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
C:\Program Files\nodejs\node.exe .\map_activity.js
Hi, I'm Tin and I'm 21 years old.
All Persons:
Hi, I'm Tin and I'm 21 years old.
Hi, I'm John and I'm 19 years old.
Hi, I'm Rea and I'm 20 years old.
> All Names: (3) ['Tin', 'John', 'Rea']
> Updated Names: (2) ['Tin', 'Rea']
```

map\_activity.js:31  
map\_activity.js:33  
map\_activity.js:35  
map\_activity.js:35  
map\_activity.js:35  
map\_activity.js:39  
map\_activity.js:43