

Question 1: Fix using wrapper, bind, call, apply.

Fix a function that loses "this" [↗](#)

importance: 5

The call to `askPassword()` in the code below should check the password and then call `user.loginOk/loginFail` depending on the answer.

But it leads to an error. Why? Because "this" will be bound to window object and have no property "name"

Fix the highlighted line for everything to start working right (other lines are not to be changed).

<pre>1 function askPassword(ok, fail) { 2 let password = prompt("Password?", ''); 3 if (password === "rockstar") ok(); 4 else fail(); 5 } 6 7 let user = { 8 name: 'John', 9 10 loginOk() { 11 alert(`\${this.name} logged in`); 12 }, 13 14 loginFail() { 15 alert(`\${this.name} failed to log in`); 16 }, 17 18 }; 19 20 askPassword(user.loginOk, user.loginFail);</pre>	<pre>function askPassword(ok, fail) { let password = prompt("Password: ", ""); if (password === 'abcd') ok(); else fail(); } let user = { name: 'Huy Dang', loginOk() { console.log(`\${this.name} logged in!`); }, loginFail() { console.log(`\${this.name} failed to log in!`); } }; askPassword(function() { user.loginOk() }, function() { user.loginFail(); });</pre>
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Question 2: Fix the code below using bind

```
let group = {
  title: "Our Group",
  students: ["John", "Pete", "Alice"],

  showList: function() {
    this.students.forEach(function(student) {
      console.log(this.title + ": " + student);
    });
  }
};

group.showList();
```

```
let group = {
  title: "CS472-WAP",
  students: ["Huy Dang", "Dinh Huy Dang", "Vannes"],

  showList: function() {
    const self = this;
    this.students.forEach(function(student) {
      console.log(self.title + ": " + student);
    });
  }
};

group.showList();
```