

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?

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

```
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);
```

Answer:

```
function askPassword(ok, fail){  
  let password = prompt("Password?", '');  
  if(password=="rockstar") ok();  
  else fail();  
}  
  
let user = {  
  name : "John",  
  
  loginOk() {  
    alert(`${this.name} logged in `);  
  },  
  
  loginFail(){  
    alert(`${this.name} failed to login`)  
  }  
};  
  
askPassword(user.loginOk.bind(user), user.loginFail.bind(user));
```

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();
```

Answer:

```
let group = {  
  title: "Our Group",  
  students: ["John", "Pete", "Alice"],  
  showList: function () {  
    this.students.forEach(function (student) {  
      console.log(this.title + ": " + student);  
    }.bind(this));  
  }  
};  
group.showList();
```