

201708第一周考试(周末&&第一次补考)

分析代码，写出输出的结果

1、

```
1. console.log(num,fn);  
2. if ("num" in window) {  
3.     var num = 100;  
4.     function fn(){  
5.         //->this is javascript code  
6.     }  
7. }  
8. console.log(num,fn);
```

2

```
1. var name = "中国";
2. var age = 5000;
3. age = (function (name, age) {
4.     name = name || "珠峰";
5.     arguments[1] = 7;
6.     this.name = arguments[0];
7.     console.log(name, age);
8. })();
9. console.log(name, age);
```

3

```
1. var ary = [100, 200];
2. ~function (ary) {
3.     ary[ary.length] = 300;
4.     ary = ary.slice(0);
5.     ary[ary.length] = 500;
6.     alert(ary);
7. }(ary);
8. alert(ary);
```

4

```
1. var i=10;
2. function fn() {
3.     i+=5;
4.     return function (n) {
5.         console.log(n * (--i));
6.     }
7. }
8. var f = fn();
9. f(10);
10. fn()(10);
11. fn()(20);
12. f(20);
```

```
1. var num = 10;
2. var obj = {num: 20};
3. obj.fn = (function (num) {
4.     this.num = num + 2;
5.     return function (n) {
6.         this.num += n;
7.         num--;
8.         console.log(num);
9.     }
10. })(this.num);
11. var fn = obj.fn;
12. fn(10);
13. obj.fn(20);
14. console.log(num, obj.num);
```

```
1. Object.prototype.x = 100;
2. function Fn() {
3.     this.x = 10;
4.     this.y = 20;
5. }
6. Fn.prototype.y = 200;
7. Fn.prototype.sum = function () {
8.     console.log(this.x + this.y);
9. };
10. var f = new Fn;
11. console.log(f.sum === Fn.prototype.sum);
12. f.sum();
13. Fn.prototype.sum();
14. console.log(f.constructor);
```

7

有如下的HTML结构，需求是想要实现点击每一个按钮，让body的背景颜色显示不同的，请问下面代码是否可以实现？如果能是为什么？如果不能是为什么？并写出你的解决方案(至少两种不同思路的解决办法)？

```
1. <input type="button"/>
2. <input type="button"/>
3. <input type="button"/>
```

```
1. var inpList = document.getElementsByTagName("input");
2. var ary=["red","green","orange"];
3. for(var i=0;i<inpList.length;i++){
4.     var cur = inpList[i];
5.     cur.onmouseover=function(){
6.         document.body.style.background
7.         dColor=ary[i];
8.     }
```