

<https://jsfiddle.net/y44bu5kz/4/>

```
//function sm(){  
  //console.log(arguments);  
  // // return an array of arguments:  
  //console.log(Array.prototype.slice.call(arguments));  
  // // add prefix to argument  
  //var args = Array.prototype.slice.call(arguments);  
  //args.unshift('(app)');  
  //console.log.apply(console, args);  
  //}  
  //sm(4,4,6,8,9);
```

```
//var obj = {a:1,b:2,c:3,e:4,d:5}  
//function getProp(obj){  
  //    var pList = Object.getOwnPropertyNames(obj);  
  // console.log(pList);  
  //}  
  //getProp(obj);
```

```
//function F(a,b){  
  //    this.a = a;  
  // this.b = b;  
  // this.context = this;  
  //}  
  //var f1 = new F('ss','mm');  
  //console.log(f1.context);
```

```
//var cat = {  
  //  name: "Gus",  
  //  color: "gray",  
  //  age: 15,  
  
  //  printInfo: function() {  
    //    console.log("Name:", this.name, "Color:", this.color, "Age:", this.age);  
    //    nestedFunction = function() {  
      //      console.log("Name:", this.name, "Color:", this.color, "Age:", this.age);  
    //    }  
    //    nestedFunction.call(this);  
    //    nestedFunction.apply(this);  
  
    //    var storeFunction = nestedFunction.bind(this);  
    //    storeFunction();  
    //  }  
  //}  
  //cat.printInfo();
```

```
// console.log(document.querySelectorAll('*'));  
//var declaredLater;
```

```
// Outputs: undefined  
//console.log(declaredLater);
```

```

//declaredLater = "Now it's defined!";

// Outputs: "Now it's defined!"
//console.log(declaredLater);

// document.getElementById("list").addEventListener("click", function(e){
//   console.log(e.target.innerText);
// });
//-----
//var foo = {
//   baz:1,
//   bar:2
//};
//var { baz,bar }=foo;
//console.log(bar);

////-----
//var tenses = ["me","you","her"];
//var [ firstperson ] = tenses;
//console.log (firstperson);
////-----
//progress();
//function progress(){
//var progressbar = document.getElementById("prgrs");
//if(progressbar.value<progressbar.max){
//   progressbar.value++;
//   setTimeout(()=>{progress();},100);
//}else{
//   alert("finish");

```

```

//}

//}

////-----

//for (var i = 0; i < 5; i++) {

// var btn = document.createElement('button');
// btn.appendChild(document.createTextNode('Button ' + i));
// btn.addEventListener('click',(function(i) {
//   return function() { console.log(i); };
//   })(i));
// document.body.appendChild(btn);
//}

////or

//['a', 'b', 'c', 'd', 'e'].forEach(function (value, i) {
// var btn = document.createElement('button');
// btn.appendChild(document.createTextNode('Button ' + i));
// btn.addEventListener('click', function() { console.log(i); });
// document.body.appendChild(btn);
//});

//-----

////---- bind -----

//var User = {
//  count:11,
//  getCount : function(){
//    return this.count;
//  }
//}

//console.log(User.getCount());

//var foo = User.getCount;

//console.log(foo());

```

```
//var foo2 = User.getCount.bind(User);  
//console.log(foo2());  
//var User2 = {count:33};  
//var foo3 = User.getCount.bind(User2);  
//console.log(foo3());
```