

# Chapter 105: Memory efficiency

## Section 105.1: Drawback of creating true private method

One drawback of creating private method in JavaScript is memory-inefficient because a copy of the private method will be created every time a new instance is created. See this simple example.

```
function contact(first, last) {  
  this.firstName = first;  
  this.lastName = last;  
  this.mobile;  
  
  // private method  
  var formatPhoneNumber = function(number) {  
    // format phone number based on input  
  };  
  
  // public method  
  this.setMobileNumber = function(number) {  
    this.mobile = formatPhoneNumber(number);  
  };  
}
```

When you create few instances, they all have a copy of formatPhoneNumber method

```
var rob = new contact('Rob', 'Sanderson');  
var don = new contact('Donald', 'Trump');  
var andy = new contact('Andy', 'Whitehall');
```

Thus, would be great to avoid using private method only if it's necessary.