

# Factory Function

---

- Using functions as object factories (factory functions) provides us a way to create objects based on a pre-defined template

```
function createPerson(firstName, lastName) {  
  var person = {};  
  person.firstName = firstName;  
  person.lastName = lastName || '';  
  person.fullName = function() {  
    return (this.firstName + ' ' + this.lastName).trim();  
  };  
  
  return person;  
}  
  
var john = createPerson('John', 'Doe');  
var jane = createPerson('Jane');  
  
john.fullName();           // "John Doe"  
jane.fullName();           // "Jane"
```

## Disadvantages of Factory Functions

---

- Every object has a full copy of all the methods, which can be redundant
- There isn't a way to inspect an object and know whether we created it from a factory function, making it difficult to determine whether an object is of a specific "type"