Unit 5—Lesson 2: Extensions

Extensions

```
extension SomeType {
    // new functionality to add to SomeType goes here
}
```

Adding computed properties

```swift
extension UIColor {
  static var favoriteColor: UIColor {
    return UIColor(red: 0.5, green: 0.1, blue: 0.5, alpha: 1.0)
  }
}
```

Adding instance or type methods

Apple ➜ Apples

Song ➜ Songs

Person ➜ People

Tennis court ➜ Tennis courts

Adding instance or type methods

```swift
extension String {
  func pluralized() -> String {
    // Complex code that takes the current value (self) and returns the plural version
  }
}


var apple = "Apple"
var person = "Person"


print(apple.pluralized())
print(person.pluralized())
```

```
Apples
People
```

Organizing code

```swift
class Restaurant {
  let name: String

  var menuItems: [MenuItem]

  . . .
}


extension Restaurant {
  func add(menuItem: MenuItem)
  func remove(menuItem: MenuItem)

  // Other methods related to the Restaurant
}
```

Unit 5—Lesson 2
Lab: Extensions

Open and complete the exercises in `Lab - Extensions.playground`