

Unit 3—Lesson 1:

Optionals

Specifying the type of an optional

```
var serverResponseCode = 404
```

```
var serverResponseCode = nil
```

! 'nil' requires a contextual type

```
var serverResponseCode: Int? = 404
```

```
var serverResponseCode: Int? = nil
```

Working with optional values

Optional binding

```
if let constantName = someOptional {  
    //constantName has been safely unwrapped for use within the braces.  
}
```

```
if let unwrappedPublicationYear = book.publicationYear {  
    print("The book was published in \$(unwrappedPublicationYear)")  
}  
else {  
    print("The book does not have an official publication date.")  
}
```

Functions and optionals

Return values

```
let string = "123"  
let possibleNumber = Int(string)
```

```
let string = "Cynthia"  
let possibleNumber = Int(string)
```

Functions and optionals

Defining

```
func printFullName(firstName: String, middleName: String?, lastName: String)
```

```
func textFromURL(url: URL) -> String?
```

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Lab: Optionals.playground



Open and complete the exercises in Lab – `Optionals.playground`

