

Unit 3—Lesson 3:

Guard

```
func singHappyBirthday() {  
    if birthdayIsToday {  
        if invitedGuests > 0 {  
            if cakeCandlesLit {  
                print("Happy Birthday to you!")  
            } else {  
                print("The cake candle's haven't been lit.")  
            }  
        } else {  
            print("It's just a family party.")  
        }  
    } else {  
        print("No one has a birthday today.")  
    }  
}
```

```
func singHappyBirthday() {  
    guard birthdayIsToday else {  
        print("No one has a birthday today.")  
        return  
    }  
  
    guard invitedGuests > 0 else {  
        print("It's just a family party.")  
        return  
    }  
  
    guard cakeCandlesLit else {  
        print("The cake's candles haven't been lit.")  
        return  
    }  
  
    print("Happy Birthday to you!")  
}
```

guard

```
guard condition else {  
  //false: execute some code  
}  
  
//true: execute some code
```

guard

```
func divide(_ number: Double, by divisor: Double) {  
    if divisor != 0.0 {  
        let result = number / divisor  
        print(result)  
    }  
}
```

```
func divide(_ number: Double, by divisor: Double) {  
    guard divisor != 0.0 else { return }  
  
    let result = number / divisor  
    print(result)  
}
```

guard with optionals

```
if let eggs = goose.eggs {  
    print("The goose laid \ \(eggs.count) eggs.")  
}  
//`eggs` is not accessible here
```

```
guard let eggs = goose.eggs else { return }  
//`eggs` is accessible hereafter  
print("The goose laid \ \(eggs.count) eggs.")
```

guard with optionals

```
func processBook(title: String?, price: Double?, pages: Int?) {  
    if let theTitle = title, let thePrice = price, let thePages = pages {  
        print("\(theTitle) costs $\(thePrice) and has \(thePages) pages.")  
    }  
}
```

```
func processBook(title: String?, price: Double?, pages: Int?) {  
    guard let theTitle = title, let thePrice = price, let thePages = pages else { return }  
    print("\(theTitle) costs $\(thePrice) and has \(thePages) pages.")  
}
```

Unit 3—Lesson 3

Lab: Guard



Open and complete the exercises in Lab – Guard.playground

