Unit 3—Lesson 3: Guard

```swift
func singHappyBirthday() {
  if birthdayIsToday {
    if !invitedGuests.isEmpty {
      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.")
  }
}
```

```swift
func singHappyBirthday() {
  if !birthdayIsToday {
    print("No one has a birthday today.”)
    return
  }

  if invitedGuests.isEmpty {
    print("It's just a family party.”)
    return
  }

  if !cakeCandlesLit {
    print("The cake candle's haven't been lit.”)
    return
  }

  print("Happy Birthday to you!")
}
```

```swift
func singHappyBirthday() {
  guard birthdayIsToday else {
    print("No one has a birthday today.")

    return

  }


  guard !invitedGuests.isEmpty {
    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

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

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

  let result = number / divisor
  print(result)
}
```

guard with optionals

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

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

guard with optionals

```swift
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.")
  }
}
```

```swift
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 `3-03 - Guard.playground`