

Productivity

History

Karin Prater - YouTube

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Swift 3 & 4

Retrieving the day of the week's number is dramatically simplified in Swift 3 because `DateComponents` is no longer optional. Here it is as an extension:

```
extension Date {
    func dayNumberOfWeek() -> Int? {
        return Calendar.current.dateComponents([.weekday], from: self).weekday
    }

    // returns an integer from 1 - 7, with 1 being Sunday and 7 being Saturday
    print(Date().dayNumberOfWeek()) // 4
}
```

If you were looking for the written, localized version of the day of week:

```
extension Date {
    func dayOfWeek() -> String? {
        let dateFormatter = DateFormatter()
        dateFormatter.dateFormat = "EEEE"
        return dateFormatter.string(from: self).capitalized
        // or use capitalized(with: locale) if you want
    }

    print(Date().dayOfWeek()) // Wednesday
}
```

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edited Sep 26, 2017 at 19:07

answered Jan 26, 2016 at 2:36

brandonscript

71.2k34167230

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Maybe it would be more clear if you put `aDate.dayOfWeek()` under Usage. – boidkan Jan 26, 2016 at 18:20

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Note that the question was how to get the weekday from a `string` in the form "YYYY-MM-DD". Of course it simplifies if you already have an `NSDate`. – Martin R May 27, 2016 at 13:57

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It's probably worth to mention that if you're using it in eg. table view, it may slow down the scrolling, as creating `NSDateFormatter` is quite costly. If you're going to use it very often, it's good to eg. create one instance and provide it during calculation to all of the function calls. – Nat Jan 25, 2017 at 0:48

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NSDate from week number

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How do I find the beginning of the week from an NSDate?

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How to get the day of the week from a date in Swift

Hot Network Questions

Fastest way to do damage/kill with wind

Short story about shoes that may have talked to other pairs of shoes and were possibly trying to find their owner or way home

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Should I use an author's code made available on request to help retract their highly cited paper?

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