



BACK

Holiday

 158,354



< DESCRIPTION MY SOLUTIONS LEADERBOARD COMMENTS README >

CODEWRITING SCORE: 300/300

John Doe likes holidays very much, and he was very happy to hear that his country's government decided to introduce yet another one. He heard that the new holiday will be celebrated each year on the `xth` week of `month` , on `weekDay` .

Your task is to return the day of `month` on which the holiday will be celebrated in the year `yearNumber` .

For your convenience, here are the lists of months names and lengths and the list of days of the week names.

- Months: "January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December" .
- Months lengths: 31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31 .
- Days of the week: "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday" .

Please, note that in **leap years** February has 29 days.

Example

- For `x = 3` , `weekDay = "Wednesday"` , `month = "November"` and `yearNumber = 2016` , the output should be `holiday(x, weekDay, month, yearNumber) = 16` .

The new holiday will be celebrated every November on the 3rd Wednesday of the month. In 2016 the 3rd Wednesday falls on the 16th of November.
- For `x = 5` , `weekDay = "Thursday"` , `month = "November"` and `yearNumber = 2016` , the output should be `holiday(x, weekDay, month, yearNumber) = -1` .

There are only 4 Thursdays in November 2016.

Input/Output

- [execution time limit] 4 seconds (js)**
- [input] integer x**

A positive integer.

Guaranteed constraints:
`1 ≤ x ≤ 5` .
- [input] string weekDay**

A string representing a correct name of some day of the week.
- [input] string month**

A string representing a correct name of some month.
- [input] integer yearNumber**

Guaranteed constraints:
`2015 ≤ yearNumber ≤ 2500` .
- [output] integer**

The day of `month` on which the holiday will be celebrated in the year `yearNumber` . If there is no answer, return `-1` .

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
function helloWorld(name) {
    console.log("This prints to the console when you Run Tests");
    return "Hello, " + name;
}
```

