

Date

PROGRAMMING COURSE

`camino.fernandez@unileon.es`

Date

- Develop a `Date` class defined by day, month and year.
- Including the `if` statement develop:
 - The `isSameYear` method
 - The `isSameMonth` method
 - The `isSameDay` method
 - The `isSame` method
- Simplify those methods without the `if` statement (use 4 different methods)

Date

- Include in `Date` class:
 - A method that returns the name of the month
 - A method that checks if the day of the month is right
 - A method that returns the season of this month
- **IMPORTANT:** Pay special attention to the names you give to those methods

Date

- In the Date class write methods to:
 - For a date, return the months left until the end of the year.
 - Write a method in Date class that returns the string version a date.
 - For a date, returns all dates until the end of the month.
 - For a date, returns the months with the same number of days as the month of this date.
 - For a date, count the number of days since the first day of the year (do not consider leap years)

Date

- In the Date class build the following methods:
 - Build a method that counts the number of attempts needed to generate a random date equals to a given date (only inside the same year)
 - Do it using a `while` statement
 - Do it using a `do-while` statement
 - For a given date and knowing the day of the week of the first day of the year of that date, return the day of the week of the given date.