

# Date

PROGRAMMING COURSE  
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# 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 prints the name of the month
  - A method that checks if the day of the month is right
  - A method that prints 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, print the months left until the end of the year.
  - Write a method in Date class that prints a date.
  - For a date, print all dates until the end of the month.
  - For a date, print 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, show the day of the week of the given date.