

Intro to Java

10 - Implementing Classes / Exercise: Calendar

Exercise: Calendar

CalenderEntry

To store events in a calendar you should write a class `CalenderEntry`.

A `CalenderEntry` is defined by:

A description text:

- `String text`

The month of the year that the event occurs. For the sake of simplicity we define that every month has 28 days:

- `int month`

The day of the month that the event occurs:

- `int day`

A `CalenderEntry` is constructed with the text, month and day.

- `CalenderEntry(String text, int month, int day)`

A `CalenderEntry` can be checked if it is valid. It is valid if:

- a month has to be in range 1-12
- a day has to be in range 1-7
- `boolean isValid()`

It can be checked if two `CalenderEntries` are in the same month:

- `boolean inSameMonth(CalenderEntry entry)`

`CalendarEntries` can be compared to find out if the calendar entry is before another one. (Is the `CalenderEntry` before the one in the parameter)

- `boolean isBefore(CalendarEntry entry)`

It can be calculated how many days are left until the CalendarEntry from a given date (month, day).

- `int daysLeft(int month, int day)`

Made with ❤ by teachers at [ReDI School](#).