

## Class-Main

This method calculates the range of valid dates for an anniversary based on a sign-up date and the current date. The range is 30 days before and 30 days after the anniversary of the sign-up date for the current year.

**Method `public static String getRange(Date signupDate, Date currentDate, SimpleDateFormat dateFormat)`**

This method calculates the range of valid dates for an anniversary based on a sign-up date and the current date. The range is 30 days before and 30 days after the anniversary of the sign-up date for the current year.

### Returns:

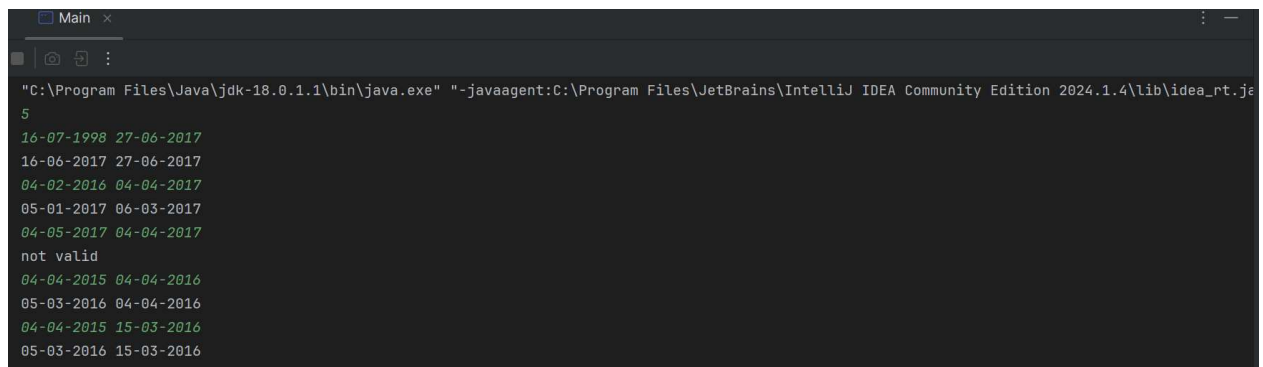
- A String representing the start and end date of the valid range in the format dd-MM-yyyy dd-MM-yyyy.
- If the sign-up date and the current date are in the same year but the current date is before the sign-up date, returns "not valid".
- If the current date is before the start of the range, returns "not valid".

### Logic-

- Checks if the sign-up date and the current date are in the same year and the current date is before the sign-up date.
- Creates an anniversary date for the current year based on the sign-up date.
- Calculates the start and end of the 30-day range around the anniversary date.
- Compares the current date with the start of the range to determine if it falls within the range.
- If the end date is before the current date then it returns end date or else it returns current date as end date
- Formats and returns the appropriate date range.

## Method `public static void main(String[] args)`

This method takes string output and parse them into dates and pass this dates along with the dateformater



```
"C:\Program Files\Java\jdk-18.0.1.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.1.4\lib\idea_rt.je
5
16-07-1998 27-06-2017
16-06-2017 27-06-2017
04-02-2016 04-04-2017
05-01-2017 06-03-2017
04-05-2017 04-04-2017
not valid
04-04-2015 04-04-2016
05-03-2016 04-04-2016
04-04-2015 15-03-2016
05-03-2016 15-03-2016
```