Class Relationship: Aggregation

Year
− ZODIAC_DICT: String[] − NUM_OF_MONTHS: int − year: int − monthArray: Month[] − zodiac: String
+ Year() + Year(year: int) + getYear(): int + getMonthArray(): Month[] + getZodiac(): String + setYear(year: int) − setMonthArray() − setZodiac() + setNumOfMonth(NUM_OF_MONTH: int) + getNumOfMonth(): int + addMyBirthday(month: int, myBirthday: Birthday) + display()

Month
+ MONTH_DICT: String[] + START_DAY_JAN_1_2021: int − month: int − year: int − myBirthday: Birthday
+ Month() + Month(month: int, year: int) + getMonth(): int + getYear(): int + setMonth(month: int) + setYear(year: int) + getMyBirthday(): Birthday + setMyBirthday(myBirthday: Birthday) + display() − displayHeader() − displayBody() − getStartDay(): int − getTotalNumberOfDays(month: int, year: int): int − getNumberOfDaysInMonth(month: int, year: int): int − isLeapYear(year: int): boolean

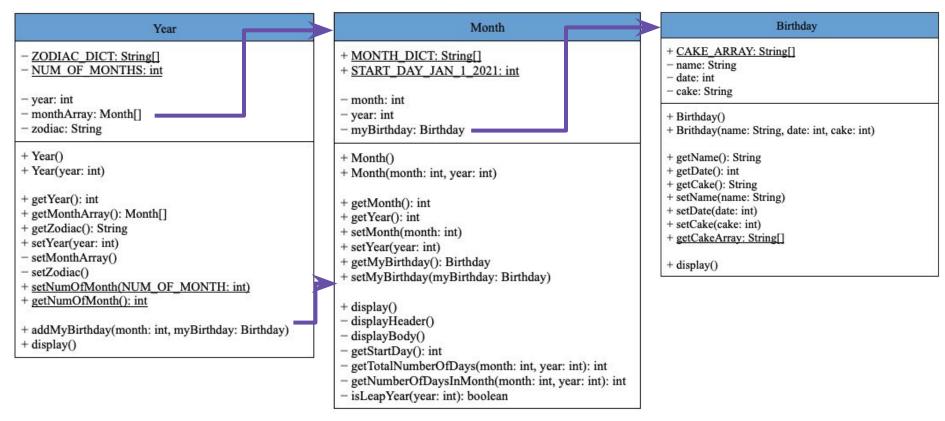| Birthday |
| --- |
| + CAKE_ARRAY: String[]
− name: String
− date: int
− cake: String |
| + Birthday()
+ Brithday(name: String, date: int, cake: int)

+ getName(): String
+ getDate(): int
+ getCake(): String
+ setName(name: String)
+ setDate(date: int)
+ setCake(cake: int)
+ getCakeArray: String[]

+ display() |

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