1. **Exercise**

   Define two base classes: One is an implementation of a clock and the other one of a calendar. Based on these two classes, we define a class CalendarClock, which inherits both from the class Calendar and from the class Clock.

---

lab05.Clock

- m __init__(self,hours=0, minutes=0, seconds=0)
- m set(self,hours, minutes, seconds=0)
- m tick(self)
- m display(self)
- m __str__(self)

- f __minutes
- f __hours
- f __seconds

---

lab05.Calendar

- m __init__(self, day=1, month=1, year=1900)
- m leapyear(self,y)
- m set(self, day, month, year)
- m get(self)
- m advance(self)
- m __str__(self)

- f __month
- f __year
- f __day
- f months

---

lab05.CalendarClock

- m __init__(self, day,month,year,hours=0, minutes=0,seconds=0)
- m __str__(self)