# Exercises for Chapter 10 – Indexers

## Exercise 1

***The Weekly Schedule Exercise***

* A clinic requires receptionists to handle the clients through the doctors working hours.
  + The clinic always work 5 days a week (Sunday to Thursday), 4 hours a day
    - The number of hours per day may be changed through object’s initialization
  + The clinic employs several receptionists who work in shifts
  + At the end of each week, each receptionist assigns its working hours for the next week
* To better handle the process of scheduling the receptionists every week you should provide the clinic with a **WeeklyScheduler** class.
* The **WeeklyScheduler** should keep a weekly scheduling table:
  + For every day, for every hour in the day, the name of the receptionist working
  + To simplify setting and retrieving the name of the receptionist that works at a specified hour at a specified day, the **WeeklyScheduler** should enable read / write access to any hour in any day of the week
* To make your **WeeklySceduler** more informative, enhance it to also hold the date of the starting day of the week
* Provide read/write access to the week’s starting date