

A shopkeeper has many employees. And the shopkeeper provides multiple services.

Each service has its fixed time duration. Each employee is providing exactly one service.

The shop always opens at 10:00 AM and closes at 17:00 PM. An employee can be booked between 10:00 AM to 17:00PM. If employee is booked in a particular time slot the he/she can not be booked again. Write a program to demonstrate the following

1. Book an employee, if employee is not already booked
2. Unbook an employee, if employee is already booked
3. Generate the sequence of reserved and unreserved slot for a particular employee.

Assumptions:

1. Time Slots are fixed (1 hrs each).
2. Only considered one day booking (Date part is not considered due to less time)
3. Threading part is not considered

Used Design Patterns-

1. Singleton (RISingleton class) for storing data.

How to run – go to `src/com/test/Test.java` and run as Java