* Constructor

        copy constructor
        copy assignment operator

* destructor

* output streaming operator

* Use private as much as possible

* Use vectors
      Maximum STL
   * Minimum pointers

Se assgn 3

⊛ Date

dd|MMM|yy

25|2|01   05|07|01

25|02|01   5|7|1

25|02|2001

Month and Day Names   (Static)

Station

name

Get Name ()
Get Distance (~~)

Railways

- Singleton Class → Constant

- List of Station
- List of pairwise distance between Station

Cant be changed / added / deleted

* Indian Railways in a Const. object.

→ Get Distance (──── , ────)

* s Stations   (List of stations)   } Static
  s Dist Stations   (distance b/w stations)

Booking

from Station   (class : Station)
toStation
date   (class : Date)
booking Class   class : Booking Class
passenger   optional

(nullable default)

Basefare rate   ✗   not Changeable
ac surcharge   ✗   (static)
luxury tax   ✗

s BaseFare Per KM
   s Booking (iiot of Booking done)
   s Booking PNR Serial (next available PNR)
   s AC surcharge
    s Luxury Tax Percent

⌐   fare
   PNR
   booking Status (true always)
booking message   (Booked successfully)

⌐ ComputeFare()   Should it be virtual
                         (polymorphic) ?

Booking Class

name   ✕ |
fare load factor   ——— | Changeable
Seat / Berth   ✕
AC / Non AC   ✕ ✕ } Non Changeable
No of tires   ✕
Luxury / Ordinary   ——— Changeable

* New Booking class can be added.

*   GetLoadFactor()
    Get Name ()
    Is Sitting ()
    Is AC ()
    getNumber of Tiers ()
    IsLuxury ()
} Const. methods
————————
* Polymorphic
/ Non Polymorphic

Person
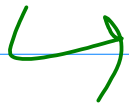
↳ name
aadhar
DOB
gender
mobile no.
category (general
ladies
Sn. citizen ——)

↳ may be an empty abstract base class