

Test Report for Railways Booking System

Unit Test REPORT

PASSED

BookingClasses

- Test the working of polymorphic hierarchy PASSED
- Test the working of output streaming operator PASSED

BookingClassTypes<T>

Where T -> ACFirstClassType, ExecutiveChairCarType, AC2TierType, FirstClassType, AC3TierType, ACChairCarType, SleeperType, SecondSittingType

- Test the working of all simple member functions
 - GetLoadFactor() PASSED
 - GetName() PASSED
 - IsAC() PASSED
 - IsLuxury() PASSED
 - IsSitting() PASSED
 - GetNumberOfTiers() PASSED
 - GetReservationCharge() PASSED
 - GetTatkalLoadFactor() PASSED
 - GetMinTatkalCharge() PASSED
 - GetMaxTatkalCharge() PASSED
 - GetMinTatkalDist() PASSED
 - Test the working of output streaming operator PASSED

BookingCategory

- Test the working of polymorphic hierarchy PASSED
- Test the working of output streaming operator PASSED
- Test the working of ReserveInCategory(), i.e., whether it returns NULL/non-NULL appropriately PASSED

BookingCategoryTypes<T>

- Test the working of BookingCategory::General::Eligibility()
 1. Exception when Date of Reservation after Date of Booking PASSED

2. Exception when Date of Reservation more than an year before Booking

PASSED

3. No Exception when all cases above are dissatisfied

PASSED

- Test the working of BookingCategory::Ladies::Eligibility()

1. Exception when Date of Reservation after Date of Booking

PASSED

2. Exception when Date of Reservation more than an year before Booking

PASSED

3. Exception when passenger is Male more than 12 years of age

PASSED

4. No Exception when all cases above are dissatisfied

PASSED

- Test the working of

BookingCategory::SeniorCitizen::Eligibility()

1. Exception when Date of Reservation after Date of Booking

PASSED

2. Exception when Date of Reservation more than an year before Booking

PASSED

3. Exception when passenger is Male less than 60 years of age

PASSED

4. Exception when passenger is Female less than 58 years of age

PASSED

5. No Exception when all cases above are dissatisfied

PASSED

- Test the working of

BookingCategory::DivyaangCat::Eligibility()

1. Exception when Date of Reservation after Date of Booking

PASSED

2. Exception when Date of Reservation more than an year before Booking

PASSED

3. Passenger with Divyaang Id and/or Divyaang id absent

PASSED

4. No Exception when all cases above are dissatisfied

PASSED

- Test the working of `BookingCategory::Tatkal::Eligibility()`

1. Exception when Date of Reservation after Date of Booking

PASSED

2. Exception when Date of Reservation more than an year before Booking

PASSED

3. Reservation done more than 1 day before actual booking timings

PASSED

4. No Exception when all cases above are dissatisfied

PASSED

- Test the working of

`BookingCategory::PremiumTatkal:Eligibility()`

1. Exception when Date of Reservation after Date of Booking

PASSED

2. Exception when Date of Reservation more than an year before Booking

PASSED

3. Reservation done more than 1 day before actual booking timings

PASSED

4. No Exception when all cases above are dissatisfied

PASSED

- Test the working of output streaming operator PASSED

Booking

- Test the working of Reserve

1. Booking correctly constructed for Ladies Booking

PASSED

2. Booking correctly constructed for Tatkal Booking

PASSED

3. Exception thrown when `fromStation = toStation`

PASSED

- Test the working of output streaming operator PASSED

BookingTypes<T>

- Test the working of
BookingCategory::General::TestEligibility() (One valid and
one invalid case) PASSED
- Test the working of
BookingCategory::Ladies::TestEligibility() (One valid and
one invalid case) PASSED
- Test the working of
BookingCategory::SeniorCitizen::TestEligibility() (One valid
and one invalid case) PASSED
- Test the working of
BookingCategory::DivyaangCat::TestEligibility() (One valid
and one invalid case)
PASSED
- Test the working of
BookingCategory::Tatkal::TestEligibility() (One valid and
one invalid case)
PASSED
- Test the working of
BookingCategory::PremiumTatkal::TestEligibility() (One valid
and one invalid case) PASSED
- Test the working of BookingCategory::General::ComputeFare()
PASSED
- Test the working of BookingCategory::Ladies::ComputeFare()
PASSED
- Test the working of
BookingCategory::SeniorCitizen::ComputeFare() PASSED
- Test the working of
BookingCategory::DivyaangCat::ComputeFare() PASSED
- Test the working of BookingCategory::Tatkal::ComputeFare()
PASSED
- Test the working of
BookingCategory::PremiumTatkal::ComputeFare() PASSED

Divyaang

- Test the working of polymorphic hierarchy PASSED
- Test the working of output streaming operator PASSED

DisabilityTypes<T>

Test GetDivyaangConcessionFactor in a way which includes all Disability Types and all Booking Classes at least once

Where T -> BlindType, OrthopaedicallyHandicappedType, CancerPatientType, TBPatientType

- Test GetDivyaangConcessionFactor called by Blind Type for ACFirstClass PASSED
- Test GetDivyaangConcessionFactor called by Blind Type for ExecutiveChairCar PASSED
- Test GetDivyaangConcessionFactor called by Blind Type for FirstClass PASSED
- Test GetDivyaangConcessionFactor called by Blind Type for AC2Tier PASSED
- Test GetDivyaangConcessionFactor called by Blind Type for ExecutiveChairCar PASSED
- Test GetDivyaangConcessionFactor called by Blind Type for AC3Tier PASSED
- Test GetDivyaangConcessionFactor called by OrthopaedicallyHandicapped Type for AC Chair Car PASSED
- Test GetDivyaangConcessionFactor called by Cancer PatientType for Sleeper PASSED
- Test GetDivyaangConcessionFactor called by TBType for Second Sitting PASSED
- Test the working of output streaming operator PASSED

Gender

- Test working of polymorphic hierarchy PASSED
- Test the working of output streaming operator PASSED

GenderTypes<T>

- Test GetName() for Male PASSED
- Test GetName() for Female PASSED
- Test GetTitle() for Male PASSED
- Test GetTitle() for Female PASSED
- Test the working of output stream operator PASSED

Name

- Test the working of output streaming operator PASSED

Date

- Test the working of output streaming operator PASSED
- Test Date construction with numbers PASSED
- Test copy constructor for Date PASSED
- Test if GetDay() returns correct Day PASSED
- Test if GetMonth() returns correct Month PASSED
- Test if GetYear() returns correct Year PASSED
- Test for working of IsLeapYear() PASSED
 5. Non-Leap year not divisible by 100 PASSED
 6. Non-leap year divisible by 100 but not by 400 PASSED
 7. Leap year divisible by 400 PASSED
 8. Leap year not divisible by 400 PASSED
- Test if CalculateAge() returns correct Age based on this year (input is taken as first of January to ensure the golden does not change within 1 year) PASS
- CalculateSpan() working correctly PASSED
 1. when leap years are present in the middle PASSED
 2. when leap years are not present in the middle PASSED
- Test Date::Today() APPLICATION TEST
- Test operator== PASSED
 1. When matching PASSED
 2. When not matching PASSED
- Test the validation by IsValid() for integer inputs PASSED
 1. Invalid year (not in 1900-2099) PASSED
 2. Invalid month (>12) PASSED
 3. Invalid month (<12) PASSED

4. Invalid Day (≤ 0)
PASSED
 5. Invalid Day (29 Days in February in a non-leap year)
PASSED
 6. Valid Day (29 Days in February in a leap year)
PASSED
 7. Invalid Day (> 30 Days in a month with 30 days)
PASSED
 8. Invalid Day (> 31 Days in a month with 31 days)
PASSED
 9. No Exceptions when Valid Day
PASSED
- Test the validation by IsValid() for integer inputs
PASSED
 1. Invalid year (not in 1900-2099)
PASSED
 2. Invalid month (> 12)
PASSED
 3. Invalid month (< 12)
PASSED
 4. Invalid Day (≤ 0)
PASSED
 5. Invalid Day (29 Days in February in a non-leap year)
PASSED
 6. Valid Day (29 Days in February in a leap year)
PASSED
 7. Invalid Day (> 30 Days in a month with 30 days)
PASSED
 8. Invalid Day (> 31 Days in a month with 31 days)
PASSED
 9. No Exceptions when Valid Day
PASSED
 10. Invalid Format (Not DD/MM/YYYY format with more characters)
PASSED
 11. Invalid Format (Not DD/MM/YYYY format with less characters)
PASSED
 12. Invalid Format (Non numeric characters present)
PASSED
 13. Invalid Format (\'/\' not present/replaced)
PASSED
 - Correct working of GetDate()
PASSED

1. Valid Date - string
PASSED
2. Invalid Date - string
PASSED
3. Valid Date - Numbers
PASSED
4. Invalid Date - Numbers
PASSED

Station

- Test the working of output streaming operator
PASSED
- Test constructor for Station with const char*
PASSED
- Test constructor for Station with string
PASSED
- Test copy assignment operator for Station
PASSED
- Test copy constructor for Station
PASSED
- Test GetDistances() for Stations
PASSED
 1. One direction
PASSED
 2. Symmetrical opposite direction
PASSED
- Test if GetName works correctly
PASSED
- Test validity of Stations by IsValid()
PASSED
 1. Exception when Empty Station Name
PASSED
 2. Exception when Station not present in DataBase
PASSED
- Test if GetDistances() throws Exceptions when asked for distances between same station
PASSED
- Test if GetStation() works correctly
 1. Exception thrown for invalid Station
PASSED
 2. Returns correct station for valid station
PASSED

Railways

- Test for Singleton
APPLICATION TEST
- Test if all correct stations are stored in list of Stations
PASSED
- Test if sDistStations has correct distance between stations (matching with Golden Output)
PASSED
- Test if testObj.GetDistance() returns correct distance between stations (matching with sDistStations)
PASSED
- Test for symmetric ordering of Stations
PASSED
- Test working of IsValid()
PASSED
 1. Duplicate Station should not be in stations database
PASSED
 2. Same pair of stations with a given ordering should be in distances database EXACTLY once
PASSED
 3. Both directions of same pair of stations should not be in distances database PASSED
 4. Pair with same stations should not be present in distances database PASSED
- Test working for GetDistances
 1. Throws Exception when queried with the same stations
PASSED
 2. Throws Exception when queried with station not in database PASSED

Concessions

Since it is templatized, we do not need to Test GetConcessions() for every pair, we make sure all BookingClasses and Booking Types including subtypes of Divyaang are covered.

- Test Get Concessions for Blind Type and ACFirstClass
PASSED
- Test Get Concessions for Blind Type and ExecutiveChairCar
PASS
- Test Get Concessions for Blind Type and FirstClass
PASS

- Test Get Concessions for Blind Type and AC2Tier
PASS
- Test Get Concessions for Blind Type and ExecutiveChairCar
PASS
- Test Get Concessions for Blind Type and AC3Tier
PASS
- Test Get Concessions for OrthopaedicallyHandicapped Type and AC Chair Car
PASS
- Test Get Concessions for Cancer PatientType and Sleeper
PASS
- Test Get Concessions for TBType and Second Sitting
PASS
- Test Get Concessions for General Booking
PASS
- Test Get Concessions for Ladies Booking
PASS
- Test Get Concessions for female Senior Citizen
PASS
- Test Get concessions for male senior citizen
PASS

GeneralConcession

Testing is a subset of Concessions Testing (included there)

VERDICT FROM CONCESSIONS

LadiesConcession

Testing is a subset of Concessions Testing (included there)

VERDICT FROM CONCESSIONS

SeniorCitizenConcession

Testing is a subset of Concessions Testing (included there)

VERDICT FROM CONCESSIONS

DivyaangConcession

Testing is a subset of Concessions Testing (included there)

VERDICT FROM CONCESSIONS

Passenger

- Testing is a passenger is valid
PASSED
 1. Exception when both first and last names missing
PASSED
 2. Valid Naming + aadhar + birthday + mobile no - Middle Name missing
PASSED
 3. Valid Naming + aadhar + birthday + mobile no - No Name missing
PASSED
 4. Exception when Bad Aadhaar - Not 12 digits
PASSED
 5. Exception when Bad Aadhar - Non numeric
PASSED
 6. Exception when Bad Mobile no - non empty with length not 10
PASSED
 7. Exception when Bad Mobile no - non empty with non numeric
PASSED
 8. Mobile Number is valid
PASSED
 9. Exception when Bad Age - Not born yet
PASSED
- Testing the overloaded== operator
PASSED
- Testing GetPassenger - Valid Case
PASSED
- Testing GetPassenger - InValid Case
PASSED
- Test Output streaming operator for Passenger
PASSED

Application Test Report PASSED

Whole output available in ApplicationOut.txt

To be done on _DEBUG mode

- Test CONSTRUCTOR for all valid Classes PASSED
 - Test Singleton Nature for all Singletons PASSED
 - Test copy constructor wherever valid PASSED
- All 3 cases shown below
 Maintained dependency order so that construction of Singletons is shown properly
 Constructor Test of Bookings is shown in the next Segment.

=====GENDER=====

Class Gender ++CONSTRUCTED++

Gender (SubType) = Male ++CONSTRUCTED++

Class Gender ++CONSTRUCTED++

Gender (SubType) = Female ++CONSTRUCTED++

=====DIVYAANG=====

Class Divyaang ++CONSTRUCTED++

Divyaang (SubType) = Blind ++CONSTRUCTED++

Class Divyaang ++CONSTRUCTED++

Divyaang (SubType) = Cancer Patient ++CONSTRUCTED++

Class Divyaang ++CONSTRUCTED++

Divyaang (SubType) = Orthopaedically Handicapped
++CONSTRUCTED++

Class Divyaang ++CONSTRUCTED++

Divyaang (SubType) = TB Patient ++CONSTRUCTED++

=====PASSENGERS=====

Date = 10/Feb/1905 ++CONSTRUCTED++

Class Name = Phoebe Buffau Therapy ++CONSTRUCTED++

Date = 9/Apr/2021 ++CONSTRUCTED++

Date = 9/Apr/2021 ++DESTRUCTED++

Date = 9/Apr/2021 ++CONSTRUCTED++

Date = 9/Apr/2021 ++DESTRUCTED++

Date = 9/Apr/2021 ++CONSTRUCTED++

Date = 9/Apr/2021 ++DESTRUCTED++

Date = 9/Apr/2021 ++CONSTRUCTED++

Date = 9/Apr/2021 ++DESTRUCTED++

Date = 9/Apr/2021 ++CONSTRUCTED++

Date = 9/Apr/2021 ++DESTRUCTED++

Class Passenger =

-- Passenger Details --

Name = Phoebe Buffau Therapy

Age = 116

Gender = Female

Aadhar Number = 121456719123

Mobile Number = 0123456719

Disability Type = Blind

DisabilityID = abc

++CONSTRUCTED++

```

Class Name = Phoebe Buffau Therapy ++DESTRUCTED++
Date = 10/Feb/1905 ++DESTRUCTED++

```

```

Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++CONSTRUCTED++

```

```

Date = 10/Feb/1905 ++CONSTRUCTED++
Class Name = Phoebe Buffau Therapy ++CONSTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Class Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
++CONSTRUCTED++
Class Name = Phoebe Buffau Therapy ++DESTRUCTED++
Date = 10/Feb/1905 ++DESTRUCTED++

```

```

=====DATES=====

```

```

Date = 3/Jun/2021 ++CONSTRUCTED++

```

```

Date = 9/Apr/2021 ++CONSTRUCTED++

```

Date = 9/Apr/2021 ++CONSTRUCTED++

=====STATION=====

Class Station = Kolkata ++CONSTRUCTED++

Copy Ctor Station = Kolkata ++CONSTRUCTED++

Class Station = Delhi ++CONSTRUCTED++

=====RAILWAYS=====

Class Railways = Stations:

1. Mumbai
2. Bangalore
3. Delhi
4. Chennai
5. Kolkata

Distances between Stations:

Bangalore - TO - Chennai - 350 KM
 Delhi - TO - Bangalore - 2150 KM
 Delhi - TO - Chennai - 2180 KM
 Delhi - TO - Kolkata - 1472 KM
 Kolkata - TO - Bangalore - 1871 KM
 Kolkata - TO - Chennai - 1659 KM
 Mumbai - TO - Bangalore - 981 KM
 Mumbai - TO - Chennai - 1338 KM
 Mumbai - TO - Delhi - 1447 KM
 Mumbai - TO - Kolkata - 2014 KM
 ++CONSTRUCTED++

=====NAME=====

Class Name = Phoebe Buffau ++CONSTRUCTED++

=====DIVYAANG CONCESSION=====

Class Concessions ++CONSTRUCTED++

Class DivyaangConcession ++CONSTRUCTED++

=====LADIES CONCESSION=====

Class Concessions ++CONSTRUCTED++

Class LadiesConcession ++CONSTRUCTED++

=====SENIOR CITIZEN CONCESSION=====

Class Concessions ++CONSTRUCTED++

Class SeniorCitizenConcession ++CONSTRUCTED++

```

=====GENERAL CONCESSION=====
Class Concessions ++CONSTRUCTED++
Class GeneralConcession ++CONSTRUCTED++

```

```

=====DATE=====
Date = 1/Jan/2001 ++CONSTRUCTED++

```

```

Date = 1/Jan/2001 ++CONSTRUCTED++

```

```

Date = 9/Apr/2021 ++CONSTRUCTED++

```

```

=====CONCESSIONS=====
Class Concessions ++CONSTRUCTED++

```

```

=====BOOKING CLASSES=====
Class Booking Classes ++CONSTRUCTED++
Booking Class (SubType)=
Called From: AC 2 Tier
Travel Class = AC 2 Tier
: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: No
++CONSTRUCTED++

```

```

Class Booking Classes ++CONSTRUCTED++
Booking Class (SubType)=
Called From: AC 3 Tier
Travel Class = AC 3 Tier
: Mode: Sleeping
: Comfort: AC
: Bunks: 3
: Luxury: No
++CONSTRUCTED++

```

```

Class Booking Classes ++CONSTRUCTED++
Booking Class (SubType)=
Called From: AC Chair Car
Travel Class = AC Chair Car
: Mode: Sitting
: Comfort: AC
: Bunks: 0
: Luxury: No

```

++CONSTRUCTED++

Class Booking Classes ++CONSTRUCTED++

Booking Class (SubType)=

Called From: AC First Class

Travel Class = AC First Class

: Mode: Sleeping

: Comfort: AC

: Bunks: 2

: Luxury: Yes

++CONSTRUCTED++

Class Booking Classes ++CONSTRUCTED++

Booking Class (SubType)=

Called From: Sleeper

Travel Class = Sleeper

: Mode: Sleeping

: Comfort: Non-AC

: Bunks: 3

: Luxury: No

++CONSTRUCTED++

Class Booking Classes ++CONSTRUCTED++

Booking Class (SubType)=

Called From: Executive Chair Car

Travel Class = Executive Chair Car

: Mode: Sitting

: Comfort: AC

: Bunks: 0

: Luxury: Yes

++CONSTRUCTED++

Class Booking Classes ++CONSTRUCTED++

Booking Class (SubType)=

Called From: First Class

Travel Class = First Class

: Mode: Sleeping

: Comfort: Non-AC

: Bunks: 2

: Luxury: Yes

++CONSTRUCTED++

Class Booking Classes ++CONSTRUCTED++

Booking Class (SubType)=


```

Called From: Second Sitting
Travel Class = Second Sitting
: Mode: Sitting
: Comfort: Non-AC
: Bunks: 0
: Luxury: No
++CONSTRUCTED++

```

```

=====BOOKING CATEGORY=====

```

```

Class Booking Category ++CONSTRUCTED++
Booking Category = Senior Citizen --CONSTRUCTED

```

```

Class Booking Category ++CONSTRUCTED++
Booking Category = Ladies --CONSTRUCTED

```

```

Class Booking Category ++CONSTRUCTED++
Booking Category = General --CONSTRUCTED

```

```

Class Booking Category ++CONSTRUCTED++
Booking Category = Divyaang --CONSTRUCTED

```

```

Class Booking Category ++CONSTRUCTED++
Booking Category = Tatkal --CONSTRUCTED

```

```

Class Booking Category ++CONSTRUCTED++
Booking Category = Premium Tatkal --CONSTRUCTED

```

- Test if all Bookings are executed correctly PASSED
Bookings getting constructed have been shown below

```

=====BOOKING=====

```

```

Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Kolkata ++CONSTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++CONSTRUCTED++

```

```

Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: LadiesBooking
BOOKING SUCCEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 1
From Station = Kolkata
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Ladies
Travel Class = AC 2 Tier
    : Mode: Sleeping
    : Comfort: AC
    : Bunks: 2
    : Luxury: No
Fare = 2994

```

```
++CONSTRUCTED++
```

```

Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Station = Kolkata ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
    ++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :

```

```
Called from: LadiesBooking
BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 2
From Station = Delhi
To Station = Kolkata
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Ladies
Travel Class = AC 2 Tier
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 2
  : Luxury: No
Fare = 2994
```

```
++CONSTRUCTED++
```

```
Class Station = Delhi ++CONSTRUCTED++
Class Station = Mumbai ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Mumbai ++CONSTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
  ++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
```

```
Called from: GeneralBooking
BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 3
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = General
Travel Class = AC 3 Tier
    : Mode: Sleeping
    : Comfort: AC
    : Bunks: 3
    : Luxury: No
Fare = 1849

++CONSTRUCTED++
Class Station = Mumbai ++DESTRUCTED++
Class Station = Delhi ++DESTRUCTED++

Class Station = Delhi ++CONSTRUCTED++
Class Station = Mumbai ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Mumbai ++CONSTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++CONSTRUCTED++
```

```

Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: GeneralBooking
BOOKING SUCCEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 4
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = General
Travel Class = AC First Class
    : Mode: Sleeping
    : Comfort: AC
    : Bunks: 2
    : Luxury: Yes
Fare = 4763

++CONSTRUCTED++
Class Station = Mumbai ++DESTRUCTED++
Class Station = Delhi ++DESTRUCTED++

Class Station = Delhi ++CONSTRUCTED++
Class Station = Mumbai ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Mumbai ++CONSTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++

```

```

Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
    ++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: Senior CitizenBooking
BOOKING SUCCEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
-- Booking Details --
PNR Number = 5
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Senior Citizen
Travel Class = AC 3 Tier
    : Mode: Sleeping
    : Comfort: AC
    : Bunks: 3
    : Luxury: No
Fare = 1125

    ++CONSTRUCTED++
Class Station = Mumbai ++DESTRUCTED++
Class Station = Delhi ++DESTRUCTED++

Class Station = Delhi ++CONSTRUCTED++
Class Station = Mumbai ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++

```

```
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++CONSTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Mumbai ++CONSTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
    ++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: Senior CitizenBooking
BOOKING SUCCEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 6
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Senior Citizen
Travel Class = AC First Class
    : Mode: Sleeping
    : Comfort: AC
    : Bunks: 2
    : Luxury: Yes
```

Fare = 2411

++CONSTRUCTED++

Class Station = Mumbai ++DESTRUCTED++

Class Station = Delhi ++DESTRUCTED++

Class Station = Delhi ++CONSTRUCTED++

Class Station = Mumbai ++CONSTRUCTED++

Date = 9/Apr/2022 ++CONSTRUCTED++

Date = 9/Apr/2022 ++DESTRUCTED++

Copy Ctor Station = Mumbai ++CONSTRUCTED++

Copy Ctor Station = Delhi ++CONSTRUCTED++

Copy Ctor Passenger =

-- Passenger Details --

Name = Phoebe Buffau Therapy

Age = 116

Gender = Female

Aadhar Number = 121456719123

Mobile Number = 0123456719

Disability Type = Blind

DisabilityID = abc

++CONSTRUCTED++

Class Booking ++CONSTRUCTED++

Booking (Sub-Type) :

Called from: DivyaangBooking

BOOKING SUCCEEDED:

-- Passenger Details --

Name = Phoebe Buffau Therapy

Age = 116

Gender = Female

Aadhar Number = 121456719123

Mobile Number = 0123456719

Disability Type = Blind

DisabilityID = abc

-- Booking Details --

PNR Number = 7

From Station = Mumbai

To Station = Delhi

Travel Date = 9/Apr/2021

Reservation Date = 9/Apr/2021

Booking Category = Divyaang

Travel Class = AC 3 Tier

: Mode: Sleeping

: Comfort: AC


```

: Bunks: 3
: Luxury: No
Fare = 492

```

```

++CONSTRUCTED++
Class Station = Mumbai ++DESTRUCTED++
Class Station = Delhi ++DESTRUCTED++

Class Station = Delhi ++CONSTRUCTED++
Class Station = Mumbai ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Mumbai ++CONSTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: DivyaangBooking
BOOKING SUCCEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
-- Booking Details --
PNR Number = 8
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Divyaang
Travel Class = AC First Class

```

```

: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: Yes
Fare = 2411

```

```

++CONSTRUCTED++
Class Station = Mumbai ++DESTRUCTED++
Class Station = Delhi ++DESTRUCTED++

Class Station = Mumbai ++CONSTRUCTED++
Class Station = Delhi ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Station = Mumbai ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: TatkalBooking
BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 9
From Station = Delhi
To Station = Mumbai
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021

```

Booking Category = Tatkal
Travel Class = AC 3 Tier
: Mode: Sleeping
: Comfort: AC
: Bunks: 3
: Luxury: No
Fare = 2249

++CONSTRUCTED++
Class Station = Delhi ++DESTRUCTED++
Class Station = Mumbai ++DESTRUCTED++

Class Station = Bangalore ++CONSTRUCTED++
Class Station = Chennai ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Chennai ++CONSTRUCTED++
Copy Ctor Station = Bangalore ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: TatkalBooking
BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 10
From Station = Chennai
To Station = Bangalore

Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Tatkal
Travel Class = AC First Class
: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: Yes
Fare = 1198

++CONSTRUCTED++
Class Station = Chennai ++DESTRUCTED++
Class Station = Bangalore ++DESTRUCTED++

Class Station = Bangalore ++CONSTRUCTED++
Class Station = Chennai ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Chennai ++CONSTRUCTED++
Copy Ctor Station = Bangalore ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: Premium TatkalBooking
BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 11

From Station = Chennai
 To Station = Bangalore
 Travel Date = 9/Apr/2021
 Reservation Date = 9/Apr/2021
 Booking Category = Premium Tatkal
 Travel Class = AC First Class
 : Mode: Sleeping
 : Comfort: AC
 : Bunks: 2
 : Luxury: Yes
 Fare = 1198

```

++CONSTRUCTED++
Class Station = Chennai ++DESTRUCTED++
Class Station = Bangalore ++DESTRUCTED++

Class Station = Mumbai ++CONSTRUCTED++
Class Station = Delhi ++CONSTRUCTED++
Date = 9/Apr/2022 ++CONSTRUCTED++
Date = 9/Apr/2022 ++DESTRUCTED++
Copy Ctor Station = Delhi ++CONSTRUCTED++
Copy Ctor Station = Mumbai ++CONSTRUCTED++
Copy Ctor Passenger =
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++CONSTRUCTED++
Class Booking ++CONSTRUCTED++
Booking (Sub-Type) :
Called from: Premium TatkalBooking
BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
  
```

```
-- Booking Details --
PNR Number = 12
From Station = Delhi
To Station = Mumbai
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Premium Tatkal
Travel Class = AC 3 Tier
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 3
  : Luxury: No
Fare = 2649
```

```
++CONSTRUCTED++
Class Station = Delhi ++DESTRUCTED++
Class Station = Mumbai ++DESTRUCTED++
```

- Test if List of Bookings is printed correctly
PASSED
 List of Bookings getting Printed has been shown below

```
=====LIST OF BOOKINGS=====
BOOKING SUCCEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 1
From Station = Kolkata
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Ladies
Travel Class = AC 2 Tier
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 2
  : Luxury: No
```

Fare = 2994

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 2
From Station = Delhi
To Station = Kolkata
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Ladies
Travel Class = AC 2 Tier
: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: No
Fare = 2994

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 3
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = General
Travel Class = AC 3 Tier
: Mode: Sleeping
: Comfort: AC

: Bunks: 3
: Luxury: No
Fare = 1849

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 4
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = General
Travel Class = AC First Class
: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: Yes
Fare = 4763

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
-- Booking Details --
PNR Number = 5
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Senior Citizen
Travel Class = AC 3 Tier

: Mode: Sleeping
: Comfort: AC
: Bunks: 3
: Luxury: No
Fare = 1125

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 6
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Senior Citizen
Travel Class = AC First Class
: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: Yes
Fare = 2411

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 7
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021

Booking Category = Divyaang
Travel Class = AC 3 Tier
: Mode: Sleeping
: Comfort: AC
: Bunks: 3
: Luxury: No
Fare = 492

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
-- Booking Details --
PNR Number = 8
From Station = Mumbai
To Station = Delhi
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Divyaang
Travel Class = AC First Class
: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: Yes
Fare = 2411

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 9
From Station = Delhi
To Station = Mumbai

Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Tatkal
Travel Class = AC 3 Tier
: Mode: Sleeping
: Comfort: AC
: Bunks: 3
: Luxury: No
Fare = 2249

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 10
From Station = Chennai
To Station = Bangalore
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Tatkal
Travel Class = AC First Class
: Mode: Sleeping
: Comfort: AC
: Bunks: 2
: Luxury: Yes
Fare = 1198

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 11

```

From Station = Chennai
To Station = Bangalore
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Premium Tatkal
Travel Class = AC First Class
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 2
  : Luxury: Yes
Fare = 1198

```

```

BOOKING SUCCEEDED:
-- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
-- Booking Details --
PNR Number = 12
From Station = Delhi
To Station = Mumbai
Travel Date = 9/Apr/2021
Reservation Date = 9/Apr/2021
Booking Category = Premium Tatkal
Travel Class = AC 3 Tier
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 3
  : Luxury: No
Fare = 2649

```

- Test that program throws expected Exceptions when needed
 PASSED
 COVERED EXHAUSTIVELY IN UNIT TESTS
 VERDICT OF UNIT TESTS
- Test DESTRUCTOR for all valid Classes
 PASSED
 (Function/Argument scope Objects were destructed before
 this phase began, as shows in the previous segments)
 Printing in reverse order of construction

Static destroyed in the end in reverse order of
construction
Output has been shown below

```

=====DESTRUCTORS=====
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 1/Jan/2001 ++DESTRUCTED++
Date = 1/Jan/2001 ++DESTRUCTED++
Class Name = Phoebe Buffau ++DESTRUCTED++
Class Station = Delhi ++DESTRUCTED++
Class Station = Kolkata ++DESTRUCTED++
Class Station = Kolkata ++DESTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 9/Apr/2021 ++DESTRUCTED++
Date = 3/Jun/2021 ++DESTRUCTED++
Class Passenger = -- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Male
Aadhar Number = 123416189123
Mobile Number = 0123456719
Disability Type = Cancer Patient
DisabilityID = f
++DESTRUCTED++
Date = 10/Feb/1905 ++DESTRUCTED++
Class Name = Phoebe Buffau Therapy ++DESTRUCTED++
Class Passenger = -- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind
DisabilityID = abc
++DESTRUCTED++
Date = 10/Feb/1905 ++DESTRUCTED++
Class Name = Phoebe Buffau Therapy ++DESTRUCTED++
Class Passenger = -- Passenger Details --
Name = Phoebe Buffau Therapy
Age = 116
Gender = Female
Aadhar Number = 121456719123
Mobile Number = 0123456719
Disability Type = Blind

```

```

DisabilityID = abc
++DESTRUCTED++
Date = 10/Feb/1905 ++DESTRUCTED++
Class Name = Phoebe Buffau Therapy ++DESTRUCTED++
Booking Category = Premium Tatkal --DESTRUCTED
Class Booking Category ++DESTRUCTED++
Booking Category = Tatkal --DESTRUCTED
Class Booking Category ++DESTRUCTED++
Booking Category = Divyaang --DESTRUCTED
Class Booking Category ++DESTRUCTED++
Booking Category = General --DESTRUCTED
Class Booking Category ++DESTRUCTED++
Booking Category = Ladies --DESTRUCTED
Class Booking Category ++DESTRUCTED++
Booking Category = Senior Citizen --DESTRUCTED
Class Booking Category ++DESTRUCTED++
Booking Class (SubType) =
Called From: Second Sitting
Travel Class = Second Sitting
: Mode: Sitting
: Comfort: Non-AC
: Bunks: 0
: Luxury: No
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++
Booking Class (SubType) =
Called From: First Class
Travel Class = First Class
: Mode: Sleeping
: Comfort: Non-AC
: Bunks: 2
: Luxury: Yes
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++
Booking Class (SubType) =
Called From: Executive Chair Car
Travel Class = Executive Chair Car
: Mode: Sitting
: Comfort: AC
: Bunks: 0
: Luxury: Yes
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++
Booking Class (SubType) =

```

```

Called From: Sleeper
Travel Class = Sleeper
  : Mode: Sleeping
  : Comfort: Non-AC
  : Bunks: 3
  : Luxury: No
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++
Booking Class (SubType) =
Called From: AC First Class
Travel Class = AC First Class
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 2
  : Luxury: Yes
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++
Booking Class (SubType) =
Called From: AC Chair Car
Travel Class = AC Chair Car
  : Mode: Sitting
  : Comfort: AC
  : Bunks: 0
  : Luxury: No
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++
Booking Class (SubType) =
Called From: AC 3 Tier
Travel Class = AC 3 Tier
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 3
  : Luxury: No
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++
Booking Class (SubType) =
Called From: AC 2 Tier
Travel Class = AC 2 Tier
  : Mode: Sleeping
  : Comfort: AC
  : Bunks: 2
  : Luxury: No
++DESTRUCTED++
Class Booking Classes ++DESTRUCTED++

```

```

Class Concessions ++DESTRUCTED++
Class GeneralConcession ++DESTRUCTED++
Class Concessions ++DESTRUCTED++
Class SeniorCitizenConcession ++DESTRUCTED++
Class Concessions ++DESTRUCTED++
LadiesConcession ++DESTRUCTED++
Class Concessions ++DESTRUCTED++
Class DivyaangConcession ++DESTRUCTED++
Class Concessions ++DESTRUCTED++
Class Railways = Stations:
1. Mumbai
2. Bangalore
3. Delhi
4. Chennai
5. Kolkata

Distances between Stations:
Bangalore - TO - Chennai - 350 KM
Delhi - TO - Bangalore - 2150 KM
Delhi - TO - Chennai - 2180 KM
Delhi - TO - Kolkata - 1472 KM
Kolkata - TO - Bangalore - 1871 KM
Kolkata - TO - Chennai - 1659 KM
Mumbai - TO - Bangalore - 981 KM
Mumbai - TO - Chennai - 1338 KM
Mumbai - TO - Delhi - 1447 KM
Mumbai - TO - Kolkata - 2014 KM
++DESTRUCTED++
Divyaang (SubType) = TB Patient ++DESTRUCTED++
Class Divyaang ++DESTRUCTED++
Divyaang (SubType) = Orthopaedically Handicapped ++DESTRUCTED++
Class Divyaang ++DESTRUCTED++
Divyaang (SubType) = Cancer Patient ++DESTRUCTED++
Class Divyaang ++DESTRUCTED++
Divyaang (SubType) = Blind ++DESTRUCTED++
Class Divyaang ++DESTRUCTED++
Gender (SubType) = Female ++DESTRUCTED++
Class Gender ++DESTRUCTED++
Gender (SubType) = Male ++DESTRUCTED++
Class Gender ++DESTRUCTED++

```