

Time for Lunch.. and you catch up with your old buddy (friend) Ram. You converse with him on all that happened during the day and specially on your grasping of 2 travel cards scenario. Ram replies, “This is from my side, any SSN number would be of length 12 characters and 7th Character must be X and 8th & 9th character being mandatory numbers , and many times people make mistakes due to its length”. You respond “Thanks mate! I shall add that as well”.

Sample Input and Output 1:

Enter Name:

Sasi

Enter SSN:

MRTCBEX10005

Enter Door Number:

15

Enter Address Line1:

8th street

Enter Address Line2:

Crosscut Gandhipuram

Enter City:

Coimbatore

Enter State:

Tamilnadu

Enter Travel Card Number:

MRTCBETCN5005

Enter Date of Enrollment (DD-MM-YYYY):

12-12-2012

The Person Details :

Name : Sasi

SSN : MRTCBEX10005

Travel Card :

Card Number : MRTCBETCN5005

Enroll Date : 12-12-2012

Address :

15,8th street,

Crosscut Gandhipuram,

Coimbatore,

Tamilnadu.

Sample Input and Output 2:

Enter Name:

Thana

Enter SSN:

MRTCBES11006

Enter a Valid SSN number!!!

Enter SSN:

MRTCBEXS100

Enter a Valid SSN number!!!

Enter SSN:

MRTCBEX11006

Enter Door Number:

3

Enter Address Line1:

5th street

Enter Address Line2:

Ramanathapuram

Enter City:

Coimbatore

Enter State:

Tamilnadu

Enter Travel Card Number:

MRTCBETCN5120

Enter Date of Enrollment (DD-MM-YYYY):

15-12-2012

The Person Details :

Name : Thana

SSN : MRTCBEX11006

Travel Card :

Card Number : MRTCBETCN5120

Enroll Date : 15-12-2012

Address :

3,5th street,

Ramanathapuram,

Coimbatore,

Tamilnadu.

Object Oriented Requirements:

```
Person {
```

```
    Person (String name, String ssn, Address address, TravelCard travelCard)
```

```
    String getName ()
```

```
    void setName (String name)
```

```
    String getSsn ()
```

```
    void setSsn (String ssn)
```

```
    Address getAddress ()
```

```
    void setAddress (Address address)
```

```
TravelCard getTravelCard ()
```

```
void setTravelCard (TravelCard travelCard)
```

```
}
```

```
Address {
```

```
Address (String doorNumber, String firstLine, String secondLine, String city, String state)
```

```
String getDoorNumber ()
```

```
void setDoorNumber (String doorNumber)
```

```
String getFirstLine ()
```

```
void setFirstLine (String firstLine)
```

```
String getSecondLine ()
```

```
void setSecondLine (String secondLine)
```

```
String getCity ()
```

```
void setCity (String city)
```

```
void setState (String state)
```

```
}
```

```
TravelCard {
```

```
TravelCard (String cardNumber, Date enrollDate)
```

```
String getCardNumber ()
```

```
void setCardNumber (String cardNumber)
```

```
Date getEnrollDate ()
```

```
void setEnrollDate (Date enrollDate)
```

```
}
```

Object Oriented Requirements:

```
Person {
  Address getAddress ()
  TravelCard getTravelCard ()
  String getSsn ()
  void setAddress (Address address)
  String getName ()
  void setName (String name)
  void setSsn (String ssn)
  void setTravelCard (TravelCard travelCard)
  Person (String name, String ssn, Address address, TravelCard travelCard)
}
Address {
  void setCity (String city)
  void setFirstLine (String firstLine)
  String getState ()
  void setSecondLine (String secondLine)
  void setDoorNumber (String doorNumber)
  String getSecondLine ()
  String getCity ()
  String getDoorNumber ()
  String getFirstLine ()
  void setState (String state)
  Address (String doorNumber, String firstLine, String secondLine, String city, String state)
}
TravelCard {
  Date getEnrollDate ()
  void setEnrollDate (Date enrollDate)
  void setCardNumber (String cardNumber)
  String getCardNumber ()
  TravelCard (String cardNumber, Date enrollDate)
}
```