

5. SYSTEM DESIGN & DEVELOPMENT

5.1 SQL Database and Table Format Used :-

```
mysql> desc subscriber_identity_details;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| IMSI_No | int(11) | YES  |     | NULL    |       |
| MCC     | int(11) | YES  |     | NULL    |       |
| MSIN_No | int(11) | YES  |     | NULL    |       |
| ICCID   | char(15) | YES  |     | NULL    |       |
| subs_Id | char(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)
```

```
mysql> desc subscriber_identity_details;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| IMSI_No | int(11) | YES  |     | NULL    |       |
| MCC     | int(11) | YES  |     | NULL    |       |
| MSIN_No | int(11) | YES  |     | NULL    |       |
| ICCID   | char(15) | YES  |     | NULL    |       |
| subs_Id | char(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)
```

5.2 Tables Used :-

Subscriber Detail Table

All Subscribers						
	Subs_Id	Registered_Name	Ph_No	Service_Provider	Network_Type	
0	10AB1	Aarush	74838341	Jio	4G	
1	10AC1	Randhir	74838342	VI	5G	
2	10AD1	Manas	74838343	BSNL	3G	
3	10AE1	Shubham	74838344	Jio	5G	
4	10AF1	Mridul	74838345	VI	4G	
5	10AG1	Prashant	74838346	BSNL	4G	
6	10AH1	Aman	74838347	Jio	5G	
7	10AI1	Divyansh	74838348	VI	4G	
8	10AJ1	Ayush	74838349	Jio	5G	
9	10AK1	ansh	74838350	BSNL	5G	
10	10AL1	Ritam	74838351	Jio	5G	
11	10AM1	Rakshita	74838352	VI	4G	
12	10AN1	Sakshi	74838353	BSNL	4G	
13	10AO1	Neha	74838354	Jio	5G	
14	10AP1	Arpita	74838355	VI	4G	
15	10AQ1	Suprabhat	74838356	VI	5G	
16	10AR1	Rachna	74838357	Jio	5G	
17	10AS1	Anurag	74838358	VI	5G	
18	10AT1	Tanay	74838359	Jio	5G	
19	10AU1	Shishr	74838360	BSNL	3G	
20	10AV1	Himanshu	74838361	Jio	4G	
21	10AW1	Uthkarsh	74838362	VI	3G	
22	10AX1	Divyansh	74838363	BSNL	3G	
23	10AY1	Harshit	74838364	BSNL	3G	
24	10AZ1	Om Kr.	74838365	Jio	5G	
25	10BA1	Shivam	74838366	BSNL	3G	
26	10BB1	Shanvi	74838367	VI	4G	
27	10BC1	Abhinav	74838368	VI	5G	
28	10BD1	Aradhya	74838369	VI	4G	
29	10BE1	Suruti	74838370	BSNL	3G	

Identiy Details						
	IMSI_No	MCC	MSIN_No	ICCID	Subs_ID	
0	7686	566	7686566	768656601	10AB1	
1	7687	565	7688565	768756501	10AC1	
2	7688	566	7688566	768856601	10AD1	
3	7689	565	7689565	768956501	10AE1	
4	7690	566	7689566	769056601	10AF1	
5	7691	566	7691566	769156601	10AG1	
6	7692	565	7692565	769256501	10AHI	
7	7693	565	7693565	769356501	10AI1	
8	7694	565	7694565	769456501	10AJ1	
9	7695	566	7695566	769556601	10AK1	
10	7696	565	7696565	769656501	10AL1	
11	7697	566	7697566	769756601	10AM1	
12	7698	566	7698566	769856601	10AN1	
13	7699	565	7699565	769956501	10AO1	
14	7701	565	7701565	770156501	10AP1	
15	7702	566	7702566	770256601	10AQ1	
16	7703	566	7703566	770356601	10AR1	
17	7704	566	7704566	770456601	10AS1	
18	7705	566	7705566	770556601	10AT1	
19	7706	565	7706565	770656501	10AU1	
20	7707	566	7707566	770756601	10AV1	
21	7708	566	7708566	770856601	10AW1	
22	7709	565	7709565	770956501	10AX1	
23	7710	565	7710565	771056501	10AY1	
24	7711	566	7711565	771156501	10AZ1	
25	7712	566	7712566	771256601	10BA1	
26	7713	565	7713565	771356501	10BB1	
27	7714	565	7714565	771456501	10BC1	
28	7715	565	7715565	771556501	10BD1	
29	7716	566	7716566	771656601	10BE1	

5.4 Output

Welcome Page

```

-----[Welcom TO TRAI(Telecom Regulatory Authority Of India)]-----
Enter Username:mridul
Enter Password:100
All Subscribers
  Subs_Id Registerd_Name   Ph_No Service_Provider Network_Type
0  10AB1    Aarush  74838341    Jio      4G
1  10AC1    Randhir  74838342    VI       5G
2  10AD1    Manas   74838343    BSNL     3G
3  10AE1    Shubham 74838344    Jio      5G
4  10AF1    Mridul  74838345    VI       4G
5  10AG1    Prashant 74838346    BSNL     4G
6  10AH1    Aman    74838347    Jio      5G
7  10AI1    Divyansh 74838348    VI       4G
8  10AJ1    Ayush   74838349    Jio      5G
9  10AK1    ansh    74838350    BSNL     5G
10 10AL1    Ritam   74838351    Jio      5G
11 10AM1    Rakshita 74838352    VI       4G
12 10AN1    Sakshi  74838353    BSNL     4G
13 10AO1    Neha    74838354    Jio      5G
14 10AP1    Arpita  74838355    VI       4G
15 10AQ1    Suprabhat 74838356    VI       5G
16 10AR1    Rachna  74838357    Jio      5G
17 10AS1    Anurag  74838358    VI       5G
18 10AT1    Tanay   74838359    Jio      5G
19 10AU1    Shishr  74838360    BSNL     3G
20 10AV1    Himanshu 74838361    Jio      4G
21 10AW1    Uthkarsh 74838362    VI       3G
22 10AX1    Divyansh 74838363    BSNL     3G
23 10AY1    Harshit 74838364    BSNL     3G
24 10AZ1    Om Kr.  74838365    Jio      5G
25 10BA1    Shivam  74838366    BSNL     3G
26 10BB1    Shanvi  74838367    VI       4G
27 10BC1    Abhinav 74838368    VI       5G
28 10BD1    Aradhya 74838369    VI       4G

```

```

Identitiy Details
  IMSI_No  MCC  MSIN_No  ICCID  Subs_ID
0  7686  566  7686566  768656601  10AB1
1  7687  565  7688565  768756501  10AC1
2  7688  566  7688566  768856601  10AD1
3  7689  565  7689565  768956501  10AE1
4  7690  566  7689566  769056601  10AF1
5  7691  566  7691566  769156601  10AG1
6  7692  565  7692565  769256501  10AH1
7  7693  565  7693565  769356501  10AI1
8  7694  565  7694565  769456501  10AJ1
9  7695  566  7695566  769556601  10AK1
10 7696  565  7696565  769656501  10AL1
11 7697  566  7697566  769756601  10AM1
12 7698  566  7698566  769856601  10AN1
13 7699  565  7699565  769956501  10AO1
14 7701  565  7701565  770156501  10AP1
15 7702  566  7702566  770256601  10AQ1
16 7703  566  7703566  770356601  10AR1
17 7704  566  7704566  770456601  10AS1
18 7705  566  7705566  770556601  10AT1
19 7706  565  7706565  770656501  10AU1
20 7707  566  7707566  770756601  10AV1
21 7708  566  7708566  770856601  10AW1
22 7709  565  7709565  770956501  10AX1
23 7710  565  7710565  771056501  10AY1
24 7711  566  7711565  771156501  10AZ1
25 7712  566  7712566  771256601  10BA1
26 7713  565  7713565  771356501  10BB1
27 7714  565  7714565  771456501  10BC1
28 7715  565  7715565  771556501  10BD1
-----End-----
-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identitiy Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option:

```


1 – Adding Details

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 1
Choose Option
1 - Add subscriber
2 - Update Subscriber Detail
Enter Your Choice:1
Enter Assigned ID:10BF1
Enter Name:Harsh
Enter Ph_no:74838371
Enter Network Provider Name:BSNL
Enter Network Type:3G
Successfully Added
You want to continue Y/N :

```

Successfully Added

30	10BF1	Harsh	74838371	BSNL	3G
----	-------	-------	----------	------	----

2 – Updating Details

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 1
Choose Option
1 - Add subscriber
2 - Update Subscriber Detail
Enter Your Choice:2
Enter New Name No:Samridhi
Enter New Network Provider No:Jio
Enter New Network Type:4G
Enter ID on which you have to update :10BF1
Successfully Updated
You want to continue Y/N :_

```

Successfully Updated

30	10BF1	Samridhi	74838371	Jio	4G
----	-------	----------	----------	-----	----

3 – Viewing Details

a) Basic Details By ID

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 3
Choose Option
1 - To View Basic Details of Subscribers
2 - To View Identity Details of Subscribers
Enter your Choice:1
Choose Search Criteria:
1-ID
2-Name
3-Ph_No
Enter your choice:1
Enter Subs_ID:10BF1
The Subscriber Detail are as follows
  Subs_Id Registered_Name      Ph_No Service_Provider Network_Type
0   10BF1          Samridhi  74838371          Jio          4G

```

b) Basic Details by Name

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 3
Choose Option
1 - To View Basic Details of Subscribers
2 - To View Identity Details of Subscribers
Enter your Choice:1
Choose Search Criteria:
1-ID
2-Name
3-Ph_No
Enter your choice:2
Enter name:Anurag
The Subscriber Detail are as follows
  Subs_Id Registered_Name      Ph_No Service_Provider Network_Type
0   10AS1          Anurag  74838358          VI          5G
You want to continue Y/N :_

```

c) Basic Details by Ph_No

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 3
Choose Option
1 - To View Basic Details of Subscribers
2 - To View Identity Details of Subscribers
Enter your Choice:1
Choose Search Criteria:
1-ID
2-Name
3-Ph_No
Enter your choice:3
Enter Ph_No:74838360
The Subscriber Detail are as follows
  Subs_Id Registered_Name    Ph_No Service_Provider Network_Type
0   10AU1          Shishr  74838360          BSNL          3G
You want to continue Y/N :

```

d) Identity Details

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 3
Choose Option
1 - To View Basic Details of Subscribers
2 - To View Identity Details of Subscribers
Enter your Choice:2
Choose Search Criteria:
1-ID
2-MCC
Enter Your Choice:1
Enter Subs_ID:10AF1
Subscriber Identity Details are as follows:
  IMSI_No MCC MSIN_No    ICCID Subs_ID
0   7690  566  7689566  769056601  10AF1
You want to continue Y/N :

```


4 – Removing Subscriber

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 4
Enter the ID of Subscriber to be deleted:10BE1
Successfully Deleted
You want to continue Y/N :_

```

5 – Sorting Basic Details

a) By Name

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 5
Enter Your choice:
1 : By Name
2 : By Id
3 : By Network Type
Enter Your Choice:1

```

	Subs_ID	Registered_name	Ph_No	Service_Provider	Network_Type
0	10AB1	Aarush	74838341	Jio	4G
1	10BC1	Abhinav	74838368	VI	5G
2	10AH1	Aman	74838347	Jio	5G
3	10AK1	ansh	74838350	BSNL	5G
4	10AS1	Anurag	74838358	VI	5G
5	10BD1	Aradhya	74838369	VI	4G
6	10AP1	Arpita	74838355	VI	4G
7	10AJ1	Ayush	74838349	Jio	5G
8	10AX1	Divyansh	74838363	BSNL	3G
9	10AI1	Divyansh	74838348	VI	4G
10	10Ay1	Harshit	74838364	BSNL	3G
11	10AV1	Himanshu	74838361	Jio	4G
12	10AD1	Manas	74838343	BSNL	3G
13	10AF1	Mridul	74838345	VI	4G
14	10AO1	Neha	74838354	Jio	5G
15	10AZ1	Om Kr.	74838365	Jio	5G
16	10AG1	Prashant	74838346	BSNL	4G
17	10AR1	Rachna	74838357	Jio	5G
18	10AM1	Rakshita	74838352	VI	4G
19	10AC1	Randhir	74838342	VI	5G
20	10AL1	Ritam	74838351	Jio	5G
21	10AN1	Sakshi	74838353	BSNL	4G
22	10BB1	Shanvi	74838367	VI	4G
23	10AU1	Shishr	74838360	BSNL	3G
24	10BA1	Shivam	74838366	BSNL	3G
25	10AE1	Shubham	74838344	Jio	5G
26	10AQ1	Suprabhat	74838356	VI	5G
27	10BE1	Suruti	74838370	BSNL	3G
28	10AT1	Tanay	74838359	Jio	5G
29	10AW1	Uthkarsh	74838362	VI	3G

You want to continue Y/N :

b) by ID

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 5
Enter Your choice:
1 : By Name
2 : By Id
3 : By Network Type
Enter Your Choice:2
  Subs_ID Registered_name   Ph_No Service_Provider Network_Type
0    10AB1      Aarush    74838341      Jio      4G
1    10AC1      Randhir   74838342      VI      5G
2    10AD1      Manas    74838343      BSNL    3G
3    10AE1      Shubham   74838344      Jio      5G
4    10AF1      Mridul    74838345      VI      4G
5    10AG1      Prashant  74838346      BSNL    4G
6    10AH1      Aman     74838347      Jio      5G
7    10AI1      Divyansh  74838348      VI      4G
8    10AJ1      Ayush     74838349      Jio      5G
9    10AK1      ansh     74838350      BSNL    5G
10   10AL1      Ritam     74838351      Jio      5G
11   10AM1      Rakshita  74838352      VI      4G
12   10AN1      Sakshi    74838353      BSNL    4G
13   10AO1      Neha     74838354      Jio      5G
14   10AP1      Arpita    74838355      VI      4G
15   10AQ1      Suprabhat 74838356      VI      5G
16   10AR1      Rachna    74838357      Jio      5G
17   10AS1      Anurag    74838358      VI      5G
18   10AT1      Tanay     74838359      Jio      5G
19   10AU1      Shishr    74838360      BSNL    3G
20   10AV1      Himanshu  74838361      Jio      4G
21   10AW1      Uthkarsh  74838362      VI      3G
22   10AX1      Divyansh  74838363      BSNL    3G
23   10Ay1      Harshit   74838364      BSNL    3G
24   10AZ1      Om Kr.    74838365      Jio      5G
25   10BA1      Shivam    74838366      BSNL    3G
26   10BB1      Shanvi    74838367      VI      4G
27   10BC1      Abhinav   74838368      VI      5G
28   10BD1      Aradhya   74838369      VI      4G
You want to continue Y/N :_

```


c) By Network Type

```

-----MAIN MENU-----
-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 5
Enter Your choice:
1 : By Name
2 : By Id
3 : By Network Type
Enter Your Choice:3
  Subs_ID Registered_name   Ph_No Service_Provider Network_Type
0    10AX1      Divyansh   74838363          BSNL        3G
1    10AD1        Manas   74838343          BSNL        3G
2    10BA1      Shivam   74838366          BSNL        3G
3    10Ay1      Harshit  74838364          BSNL        3G
4    10AU1      Shishr   74838360          BSNL        3G
5    10AW1      Uthkarsh 74838362           VI        3G
6    10AP1        Arpita  74838355           VI        4G
7    10AV1      Himanshu 74838361          Jio        4G
8    10AB1        Aarush  74838341          Jio        4G
9    10BB1      Shanvi   74838367           VI        4G
10   10AN1        Sakshi  74838353          BSNL        4G
11   10AM1      Rakshita 74838352           VI        4G
12   10BD1      Aradhya  74838369           VI        4G
13   10AF1      Mridul   74838345           VI        4G
14   10AG1      Prashant 74838346          BSNL        4G
15   10AI1      Divyansh 74838348           VI        4G
16   10AR1        Rachna  74838357          Jio        5G
17   10BC1      Abhinav  74838368           VI        5G
18   10AC1      Randhir  74838342           VI        5G
19   10AE1      Shubham  74838344          Jio        5G
20   10AZ1        Om Kr.  74838365          Jio        5G
21   10AO1        Neha    74838354          Jio        5G
22   10AK1        ansh    74838350          BSNL        5G
23   10AH1        Aman    74838347          Jio        5G
24   10AQ1      Suprabhat 74838356           VI        5G
25   10AJ1        Ayush   74838349          Jio        5G
26   10AT1        Tanay   74838359          Jio        5G
27   10AS1      Anurag   74838358           VI        5G
28   10AL1        Ritam   74838351          Jio        5G
You want to continue Y/N :

```

6 – Sorting Identity Details

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 6
      IMSI_No  MCC  MSIN_No  ICCID  Subs_ID
0       7686  566  7686566  768656601  10AB1
1       7687  565  7688565  768756501  10AC1
2       7688  566  7688566  768856601  10AD1
3       7689  565  7689565  768956501  10AE1
4       7690  566  7689566  769056601  10AF1
5       7691  566  7691566  769156601  10AG1
6       7692  565  7692565  769256501  10AH1
7       7693  565  7693565  769356501  10AI1
8       7694  565  7694565  769456501  10AJ1
9       7695  566  7695566  769556601  10AK1
10      7696  565  7696565  769656501  10AL1
11      7697  566  7697566  769756601  10AM1
12      7698  566  7698566  769856601  10AN1
13      7699  565  7699565  769956501  10AO1
14      7701  565  7701565  770156501  10AP1
15      7702  566  7702566  770256601  10AQ1
16      7703  566  7703566  770356601  10AR1
17      7704  566  7704566  770456601  10AS1
18      7705  566  7705566  770556601  10AT1
19      7706  565  7706565  770656501  10AU1
20      7707  566  7707566  770756601  10AV1
21      7708  566  7708566  770856601  10AW1
22      7709  565  7709565  770956501  10AX1
23      7710  565  7710565  771056501  10AY1
24      7711  566  7711565  771156501  10AZ1
25      7712  566  7712566  771256601  10BA1
26      7713  565  7713565  771356501  10BB1
27      7714  565  7714565  771456501  10BC1
28      7715  565  7715565  771556501  10BD1
You want to continue Y/N :

```

7 – Retriving Details By First Letter Of Name

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 7
Enter First letter of name:a

Subs_ID Registered_name Ph_No Service_Provider Network_Type
0 10AB1 Aarush 74838341 Jio 4G
1 10AH1 Aman 74838347 Jio 5G
2 10AJ1 Ayush 74838349 Jio 5G
3 10AK1 ansh 74838350 BSNL 5G
4 10AP1 Arpita 74838355 VI 4G
5 10AS1 Anurag 74838358 VI 5G
6 10BC1 Abhinav 74838368 VI 5G
7 10BD1 Aradhya 74838369 VI 4G
You want to continue Y/N :_

```

8 – Top And Bottom

a) Top 5 Data

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 8
Choice:
1 : from Top
2 : from botom
Enter your choice:1
Enter No. of Rows to Display:5

Subs_ID Registered_name Ph_No Service_Provider Network_Type IMSI_No MCC MSIN_No ICCID Subs_ID
0 10AB1 Aarush 74838341 Jio 4G 7686 566 7686566 768656601 10AB1
1 10AC1 Randhir 74838342 VI 5G 7686 566 7686566 768656601 10AB1
2 10AD1 Manas 74838343 BSNL 3G 7686 566 7686566 768656601 10AB1
3 10AE1 Shubham 74838344 Jio 5G 7686 566 7686566 768656601 10AB1
4 10AF1 Mridul 74838345 VI 4G 7686 566 7686566 768656601 10AB1
You want to continue Y/N :_

```


b) Bottom 5 Data

```

-----MAIN MENU-----
Enter 1 - To Add/Update Subscriber
Enter 2 - To Add/Update Identity Details
Enter 3 - To View Details(Basic and Identity)
Enter 4 - To Remove Subscribers
Enter 5 - To Sort Basic Details
Enter 6 - To Sort Identity Details
Enter 7 - To View Details By First letter of Name
Enter 8 - To View Details(Top and Bottom)
Please Select An Above Option: 8
Choice:
1 : from Top
2 : from botom
Enter your choice:2
Enter No. of Rows to Display:5
Subs_ID Registered_name Ph_No Service_Provider Network_Type IMSI_No MCC MSIN_No ICCID Subs_ID
836 10AZ1 Om Kr. 74838365 Jio 5G 7715 565 7715565 771556501 10BD1
837 10BA1 Shivam 74838366 BSNL 3G 7715 565 7715565 771556501 10BD1
838 10BB1 Shanvi 74838367 VI 4G 7715 565 7715565 771556501 10BD1
839 10BC1 Abhinav 74838368 VI 5G 7715 565 7715565 771556501 10BD1
840 10BD1 Aradhya 74838369 VI 4G 7715 565 7715565 771556501 10BD1
You want to continue Y/N :_

```