LAB2. INDIAN WEATHER ANALYTICS USING HISTOCIAL DATA (PART 1)

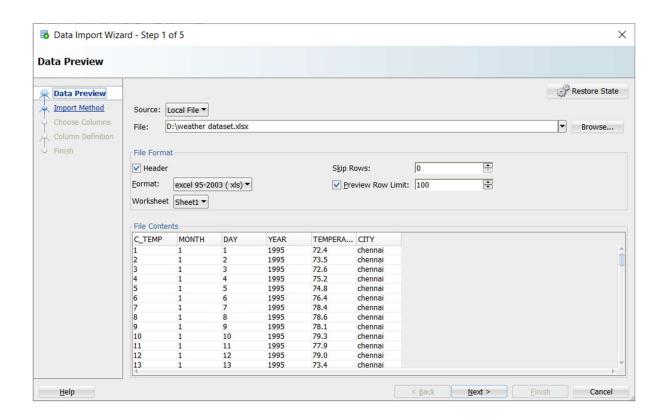
Import excel data into your table(You can use any tools – Oracle, SQLite, etc)

Step 1:

We need to install sql developer for importing data to our database schema. Unlike installing Oracle database this sql developer is pretty easy to install and also easy to work with it.

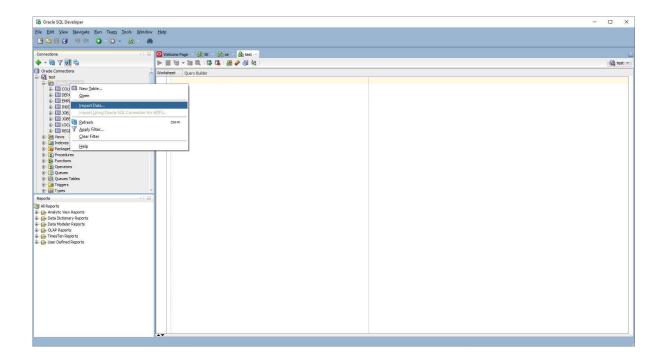
Step 2:

First we need to create a new connect using the "+" icon on the left side. Then should fill the details where displayed below: Name of the connection which can be anything for eg: your name then give the schema that you want to access that may be HR or SCOTT as a username then give the password. Finally you need to change the SID by default it will be xe you need to change that to ORCL (case sensitive). Then test the connection when the status shows success then give connect.



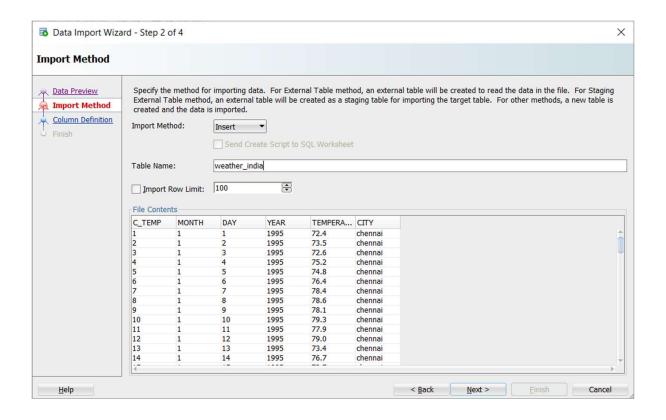
Step 3:

Click on the connection name which you created under the sub category you can see the table names where already in the Schema. Then right click on the connection name then it shows option for import data just click on that.



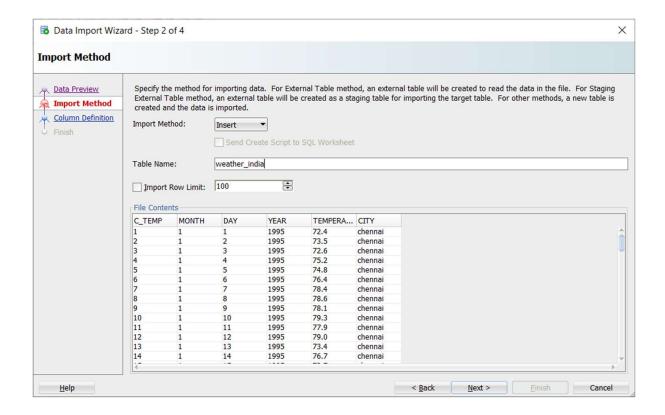
Step 4:

After clicking import data you can see the below screenshot. Then click for browse to select the file which you want to import. Then you can preview the data as in file contents then give.



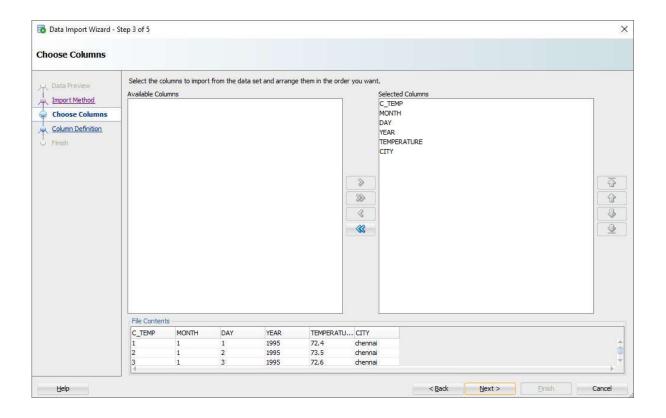
Step 5:

Here you need to create a table name and you can set the row limit to import data as like in below screenshot.



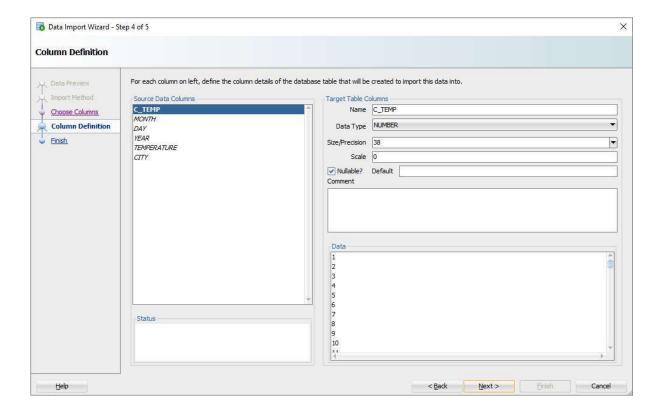
Step 6:

Here you can choose the columns that you want to add it to the table or you can order the column name as your wish. If you want to remove a particular column you can specify the column name by selecting that and Click the "<" to remove single column.



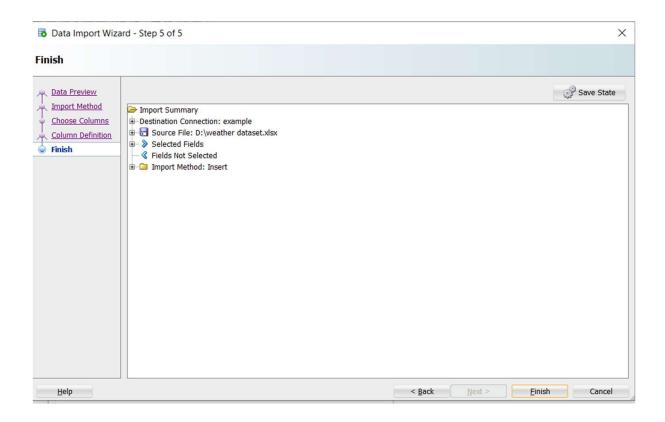
Step 7:

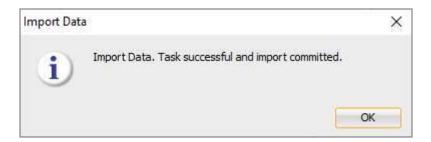
Here you can look up the column details for each column for eg: Name of the Column, Data type, Nullable? Size etc. check the column name one by one then click next.



Step 8:

Then finally click finish. You will get a prompt like "Import Data. Task successful and import committed." Then click ok.





CHECK WHETHER THE DATASET HAS PRIMARY KEY?

SQL> desc weather_india;

Name Null? Type

C TEMP NUMBER(38)

MONTH NUMBER(38)

DAY NUMBER(38)

YEAR NUMBER(38)

TEMPERATURE NUMBER(38,1)

CITY VARCHAR2(26)

QUERY TO ADD CONSTRAINT PRIMARY KEY:

SQL> alter table weather_india add constraint temp_pk primary key(c_temp);

Table altered.

SQL> desc weather_india;

Name Null? Type

C_TEMP NOT NULL NUMBER(38)

MONTH NUMBER(38)

DAY NUMBER(38)

YEAR NUMBER(38)

TEMPERATURE NUMBER(38,1)

CITY VARCHAR2(26)

After the primary key is added to check we use describe followed by table name: describe weather_india; It shows the column that you gave as primary key as NOT NULL and these primary keys are unique, they don't have any repeated values.

Write any 5 queries using SELECT and WHERE clause:

SQL> select * from weather_india where temp_>100;

C_TEMP	MONTH	DAY	YEAR	TEMP_	_CITY
18523	6	2	1995	101.7	delhi
18525	6	4	1995	101.1	delhi
18528	6	7	1995	100.1	delhi
18530	6	9	1995	101.9	delhi
18531	6	10	1995	100.7	delhi
18532	6	11	1995	100.3	delhi
18533	6	12	1995	100.9	delhi
18534	6	13	1995	100.7	delhi
18535	6	14	1995	102.8	delhi
18536	6	15	1995	102.9	delhi
18537	6	16	1995	102.3	delhi
C_TEMP	MONTH	DAY	YEAR	TEMF	P_CITY
					P_ CITY
	6	 17		101.9	delhi
18538	6	 17 24	1995	101.9 100.5	delhi delhi
18538 19610	6 5	 17 24	1995 1998	101.9 100.5	delhi delhi delhi delhi
18538 19610 19612	6 5 5	17 24 26	1995 1998 1998	101.9 100.5 101.9	delhi delhi delhi delhi delhi
18538 19610 19612 19613	6 5 5 5	17 24 26 27	1995 1998 1998 1998	101.9 100.5 101.9 100.4	delhi delhi delhi delhi delhi delhi
18538 19610 19612 19613 19614	6 5 5 5 5	17 24 26 27 28	1995 1998 1998 1998 1998	101.9 100.5 101.9 100.4 103.7	delhi delhi delhi delhi delhi delhi
18538 19610 19612 19613 19614 19615	5 5 5 5 5	17 24 26 27 28 29	1995 1998 1998 1998 1998 1998	101.9 100.5 101.9 100.4 103.7 102.9	delhi delhi delhi delhi delhi delhi delhi
18538 19610 19612 19613 19614 19615 20345	5 5 5 5 5 5	17 24 26 27 28 29 28	1995 1998 1998 1998 1998 1998 1998 2000	101.9 100.5 101.9 100.4 103.7 102.9 100.3	delhi

21446	6	3	2003	100.6 delhi
21447	6	4	2003	101.4 delhi
C_TEMP	MONTH	DAY	YEAR	TEMP_ CITY
21798	5	20	2004	101.3 delhi
22194	6	20	2005	100.2 delhi
23658	6	23	2009	100.5 delhi
23661	6	26	2009	100.8 delhi
23662	6	27	2009	101.4 delhi
23986	5	17	2010	101.2 delhi
23987	5	18	2010	100.9 delhi
24002	6	2	2010	101.5 delhi
24020	6	20	2010	100.9 delhi
24022	6	22	2010	101.6 delhi
24023	6	23	2010	101.8 delhi
C_TEMP	MONTH	DAY	YEAR	TEMP_ CITY
22907	6	3	2007	100.7 delhi
22911	6	7	2007	100.2 delhi
22912	6	8	2007	101 delhi
22913	6	9	2007	100.9 delhi
22914	6	10	2007	102.1 delhi
24731	5	31	2012	102.5 delhi
24732	6	1	2012	101.1 delhi
24746	6	15	2012	100.8 delhi
24747	6	16	2012	100.3 delhi
24748	6	17	2012	101.1 delhi

24752	6	21	2012	101.3 delhi

C_TEMP	MONTH	DAY	YEA	R TEM	1P_ CITY
24762	7	1	2012	100.1	delhi
25088	5	23	2013	100.3	delhi
25468	6	7	2014	101.3	delhi
25470	6	9	2014	100.2	delhi
25481	6	20	2014	100.2	delhi
25820	5	25	2015	100.1	delhi
27287	5	30	2019	100.8	delhi
27288	5	31	2019	101.7	delhi
27296	6	8	2019	100.3	delhi
27298	6	10	2019	102.6	delhi
27299	6	11	2019	101.5	delhi
O TENAD			, VEV	R TFM	ID CITV
C_TEMP	MONTH	DAY	YEA		II _ CITT
C_TEMP					
	6	 15	2019		delhi
27303	6 6	15 29	2019 2019	100.3	delhi delhi
27303 27317	6 6	15 29	2019 2019	100.3 100.6	delhi delhi
27303 27317 27318	6 6 6	15 29 30	2019 2019 2019 2019	100.3 100.6 100.3	delhi delhi delhi
27303 27317 27318 26164	6 6 6 6 5	15 29 30 2	2019 2019 2019 2019 2016	100.3 100.6 100.3 100.4 100.8	delhi delhi delhi delhi delhi
27303 27317 27318 26164 26197	6 6 6 6 5	15 29 30 2 4	2019 2019 2019 2019 2016 2016	100.3 100.6 100.3 100.4 100.8	delhi delhi delhi delhi delhi
27303 27317 27318 26164 26197 26542	6 6 6 5 6	15 29 30 2 4 15	2019 2019 2019 2016 2016 2017	100.3 100.6 100.3 100.4 100.8 100.3	delhi delhi delhi delhi delhi delhi
27303 27317 27318 26164 26197 26542 26562	6 6 6 5 6 5	15 29 30 2 4 15 4	2019 2019 2019 2016 2016 2017 2017	100.3 100.6 100.3 100.4 100.8 100.3 103.6	delhi delhi delhi delhi delhi delhi delhi delhi delhi

SQL> select temp__city from weather_india where month=9 and year=2013 and city='kolkata'; TEMP_CITY 87.3 kolkata 80.5 kolkata 84.1 kolkata 87.8 kolkata 88.5 kolkata 83.5 kolkata 84.9 kolkata 81.3 kolkata 81.5 kolkata 82.1 kolkata 84.2 kolkata TEMP_CITY 86.5 kolkata 88.7 kolkata 82.1 kolkata 85.9 kolkata 86 kolkata 82.7 kolkata 83 kolkata 82.4 kolkata 82.7 kolkata 84.4 kolkata 86.1 kolkata

TEMP_ CITY
87.6 kolkata
88.5 kolkata
86.8 kolkata
84.8 kolkata
83.6 kolkata
80.5 kolkata
80.4 kolkata
78.8 kolkata

30 rows selected.

SQL> select city,month from weather_india where temp_<65 and year<1996;

CITY	MONTH
chennai	3
chennai	6
mumbai	3
delhi	11

CITY	MONTH
delhi	12
CITY	MONTH
delhi	12
delhi	12
delhi delhi	
	12
delhi	12 12
delhi delhi	12 12 12
delhi delhi delhi	12 12 12 12
delhi delhi delhi delhi	12 12 12 12 12
delhi delhi delhi delhi delhi	12 12 12 12 12 12
delhi delhi delhi delhi delhi	12 12 12 12 12 12

CITY	MONTH
delhi	12
delhi	1
delhi	1
CITY	MONTH
delhi	1
delhi	
delili	1
delhi	1 1
delhi	1
delhi delhi	1 1
delhi delhi delhi	1 1 1

CITY	MONTH
delhi	1
CITY	MONTH
	MONTH
delhi	1
delhi	1 1
delhi delhi delhi	1 1 1
delhi delhi delhi delhi	1 1 1 1
delhi delhi delhi delhi delhi	1 1 1 1 1
delhi delhi delhi delhi delhi delhi delhi	1 1 1 1 1 1
delhi delhi delhi delhi delhi delhi delhi delhi	1 1 1 1 1 1 1
delhi	1 1 1 1 1 1 1 2

CITY	MONTH	
delhi	2	
CITY	MONTH	
CITY		
delhi	2	
delhi delhi	2 2	
delhi delhi delhi	2 2 2 2	
delhi delhi delhi delhi	2 2 2 2 2	
delhi delhi delhi delhi delhi delhi	2 2 2 2 2 2 3	
delhi delhi delhi delhi delhi delhi delhi	2 2 2 2 2 3 3	
delhi delhi delhi delhi delhi delhi delhi delhi	2 2 2 2 2 3 3 3	
delhi	2 2 2 2 2 3 3 3	

CITY	MONTH
delhi	3
delhi	3
delhi	3
kolkata	1
CITY	MONTH
CITY	
kolkata	1
kolkata kolkata	1 1
kolkata kolkata kolkata	1 1 1
kolkata kolkata kolkata kolkata	1 1 1 1
kolkata kolkata kolkata kolkata kolkata	1 1 1 1 1
kolkata kolkata kolkata kolkata kolkata kolkata kolkata	1 1 1 1 1 1
kolkata kolkata kolkata kolkata kolkata kolkata kolkata kolkata	1 1 1 1 1 1 1
kolkata kolkata kolkata kolkata kolkata kolkata kolkata kolkata kolkata	1 1 1 1 1 1 1 1

CITY	MONTH			
kolkata	6			
kolkata	6			
kolkata	12			
kolkata	12			
125 rows select	ed.			
SQL> select tem	np_,city from wea	ther_india wher	e month=5 and c	day=15 and year=2000;
TEMP_ CITY				
93.7 chennai				
86.6 mumbai				
95.5 delhi				
89.2 kolkata				
5 rows selected				
SQL> select yea	ır , city from wea	her_india where	temp_>103;	
YEAR CITY				
1998 delhi				
2017 delhi				
2017 delhi				
3 rows selected				

Write 5 queries using Aggregate function (min, max, avg and count)

SQL> select count(day) from weather_india where temp_<60 and year=2005;
COUNT(DAY)
70
SQL> select max(temp_) from weather_india where year between 1995 and 2000;
MAX(TEMP_)
103.7
SQL> select count(distinct year) from weather_india where temp_>99;
COUNT(DISTINCTYEAR)
20
SQL> select min(temp_) from weather_india;
MIN(TEMP_)

-99
SQL> select avg(temp_) from weather_india where year=2020;
AVG(TEMP_)
70.7324074

Sample queries for India weather analytics using historical data part-1.		
1. What is the lowest, highest and average temperature of your dataset (from year 1995 to February 2020)?		
SQL> select min(temperature), max(temperature), avg(temperature) from weather_india where year>1994 and year<2021 and month=2;		
MIN(TEMPERATURE) MAX(TEMPERATURE) AVG(TEMPERATURE)		
-99 88.9 73.2252401		
2. What is the average temperature in May 2019 in Chennai?		
SQL> select avg(temperature) from weather_india where month=5 and year=2019 and city='chennai';		
AVG(TEMPERATURE)		
73.6064516		
3. Which is the hottest day in 2019 in Delhi?		
SQL> select max(temperature) from weather_india where year=2019 and city='delhi';		
MAX(TEMPERATURE)		

102.6

4. Which is the coldest day in 2018 in Chennai?

SQL> select min(temperature) from weather_india where year=2018 and city='chennai';

MIN(TEMPERATURE)

-99

5. Which is the coldest year in December? Print city and temperature.

SQL> select city, temperature, year from weather_india where month=12 and temperature<30;

CITY	TEMPERATURE	YEAR
chennai	-99	1998
chennai	-99	2015
chennai	-99	2015
mumbai	-99	1998
mumbai	-99	2007

CITY	TEMPERATURE	
mumbai	-99	2015
mumbai	-99	2015
delhi	-99	1998
delhi	-99	2007
delhi	-99	2015
delhi	-99	2015
kolkata	-99	2015
kolkata	-99	2015
CITY	TEMPERATURE	YEAR
kolkata	-99	1998

26 rows selected.

6. Which is the hottest city in India in 2017?

SQL> select city, temperature, year from weather_india where year=2017 and temperature>100;

CITY	TEMPERATURE	YEAR
delhi	100.3	2017
delhi	103.6	2017
delhi	103.3	2017
delhi	100.3	2017

7. Is winter in Delhi in January 2017 colder than Mumbai? Print average temperature of Delhi and Mumbai too.

SQL> select avg(temperature) from weather_india where city between 'delhi' and 'mumbai' and month=1 and year=2017;

AVG(TEMPERATURE)
68.2494624

8. Display the day, month, year and city of the coldest day.

SQL> select day, month, year, city from weather_india where temperature<20;

DAY	MONTH	YEAR CITY
 29	3	1995 chennai
22	6	1995 chennai
26	10	1996 chennai
18	6	2002 chennai
19	6	2002 chennai
20	6	2002 chennai
21	6	2002 chennai
26	10	2002 chennai
13	1	2003 chennai
16	8	1998 chennai
24	12	1998 chennai
DAY	MONTH	YEAR CITY
 	MONTH 	
 25	12	1998 chennai
 25 30	12 12	1998 chennai 1998 chennai
 25 30 31	12 12 12 12	1998 chennai 1998 chennai 1998 chennai
 25 30 31 10	12 12 12 12 1	1998 chennai 1998 chennai 1998 chennai 1999 chennai
25 30 31 10 28	12 12 12 12 1 8	1998 chennai 1998 chennai 1998 chennai 1999 chennai 2007 chennai
25 30 31 10 28 9	12 12 12 12 1 8 4	1998 chennai 1998 chennai 1998 chennai 1999 chennai 2007 chennai 2009 chennai
25 30 31 10 28 9 24	12 12 12 1 1 8 4 9	1998 chennai 1998 chennai 1998 chennai 1999 chennai 2007 chennai 2009 chennai 2008 chennai

10	3	2016 chennai

DAY	MONTH	YEAR CITY	
11	11	2016 chennai	
14	11	2018 chennai	
17	11	2018 chennai	
24	4	2019 chennai	
16	5	2019 chennai	
17	5	2019 chennai	
18	5	2019 chennai	
29	3	1995 mumbai	
24	12	1998 mumbai	
25	12	1998 mumbai	
30	12	1998 mumbai	
DAV	MONTH	VEAR CITY	
DAY	MONTH	YEAR CITY	
	MONTH 12	YEAR CITY 1998 mumbai	
31	12	 1998 mumbai	
31 10	 12 1	 1998 mumbai 1999 mumbai	
31 10 18	12 1 6	1998 mumbai 1999 mumbai 2002 mumbai	
31 10 18 19	12 1 6 6	1998 mumbai 1999 mumbai 2002 mumbai 2002 mumbai	
31 10 18 19 20	12 1 6 6 6	1998 mumbai 1999 mumbai 2002 mumbai 2002 mumbai 2002 mumbai	
31 10 18 19 20 21	12 1 6 6 6 6	1998 mumbai 1999 mumbai 2002 mumbai 2002 mumbai 2002 mumbai 2002 mumbai	
31 10 18 19 20 21 28	12 1 6 6 6 6 6	1998 mumbai 1999 mumbai 2002 mumbai 2002 mumbai 2002 mumbai 2002 mumbai 2002 mumbai	
31 10 18 19 20 21 28 7	12 1 6 6 6 6 8 12	1998 mumbai 1999 mumbai 2002 mumbai 2002 mumbai 2002 mumbai 2002 mumbai 2007 mumbai 2007 mumbai	

		YEAR CITY
9		2009 mumbai
6	2	2014 mumbai
30	12	2015 mumbai
31	12	2015 mumbai
10	3	2016 mumbai
11	11	2016 mumbai
14	11	2018 mumbai
15	11	2018 mumbai
17	11	2018 mumbai
23	1	2019 mumbai
24	4	2019 mumbai
DAY		YEAR CITY
DAY 		
16	5	 2019 mumbai
 16 17	5 5	2019 mumbai 2019 mumbai
16 17 18	5 5 5	2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai
16 17 18 19	5 5 5 5	2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai
16 17 18 19 29	5 5 5 5 5	2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 1995 delhi
16 17 18 19 29 16	5 5 5 5 3 8	2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 1995 delhi 1998 delhi
16 17 18 19 29 16 1	5 5 5 5 3 8 10	2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 1995 delhi 1998 delhi 1998 delhi
16 17 18 19 29 16 1	5 5 5 5 3 8 10 12	2019 mumbai 2019 mumbai 2019 mumbai 2019 mumbai 1995 delhi 1998 delhi 1998 delhi 1998 delhi

DAY	MONTH	YEAR CITY
10	1	
29	4	1999 delhi
30	4	1999 delhi
28	4	2001 delhi
18	6	2002 delhi
19	6	2002 delhi
20	6	2002 delhi
21	6	2002 delhi
26	10	2002 delhi
28	8	2007 delhi
22	10	2007 delhi
DA`	Y MONT	H YEAR CITY
DA 7	Y MONT 	
	12	
7	12	2007 delhi
7 24	12 9	2007 delhi 2008 delhi
7 24 2	12 9 3	2007 delhi 2008 delhi 2009 delhi
7 24 2 9	12 9 3 4	2007 delhi 2008 delhi 2009 delhi 2009 delhi
7 24 2 9	12 9 3 4 4	2007 delhi 2008 delhi 2009 delhi 2009 delhi 2010 delhi
7 24 2 9 17	12 9 3 4 4 4	2007 delhi 2008 delhi 2009 delhi 2009 delhi 2010 delhi 2010 delhi
7 24 2 9 17 18	12 9 3 4 4 4 4	2007 delhi 2008 delhi 2009 delhi 2009 delhi 2010 delhi 2010 delhi 2010 delhi
7 24 2 9 17 18 19 21	12 9 3 4 4 4 4 4 4	2007 delhi 2008 delhi 2009 delhi 2009 delhi 2010 delhi 2010 delhi 2010 delhi 2010 delhi

			EAR CITY
	2		2011 delhi
1	3	6	2011 delhi
ϵ	5 3	3	2007 delhi
7	7 3	3	2007 delhi
2	0	5	2007 delhi
3	0 :	12	2015 delhi
3	1 :	12	2015 delhi
1	0	3	2016 delhi
1	5	5	2013 delhi
6	5 2	2	2014 delhi
4	l 1	L	2018 delhi
		4041711	
			YEAR CITY
			YEAR CITY
	 7		
1	 7 4	9	2018 delhi
1 2	7 4 4	 9 9	2018 delhi 2018 delhi
1 2 1	7 4 4	9 9 9	2018 delhi 2018 delhi 2018 delhi
1 2 1	7 4 4	9 9 11	2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi
1 2 1 1	7 4 4 2 5 2 7 2	9 9 11 11	2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi
1 2 1 1 1 2	7 4 4 2 5 2 7 2 3	9 9 11 11 11	2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi 2019 delhi
1 2 1 1 1 2 2	7 4 4 5 7 3 4	9 9 11 11 11 1	2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi 2019 delhi 2019 delhi
1 2 1 1 1 2 2	7 4 4 2 5 2 7 3 4 5	9 9 11 11 11 1 4	2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi 2019 delhi 2019 delhi 2019 delhi
1 2 1 1 2 2 2 2	7 4 4 5 7 3 4 5 7	9 9 11 11 11 4 4	2018 delhi 2018 delhi 2018 delhi 2018 delhi 2018 delhi 2019 delhi 2019 delhi 2019 delhi 2019 delhi

	MONTH 		CITY
17	5	2019	delhi
18	5	2019	delhi
19	5	2019	delhi
29	3	1995	kolkata
22	6	1995	kolkata
23	6	1995	kolkata
8	3	1996	kolkata
14	3	1996	kolkata
15	3	1996	kolkata
20	3	1996	kolkata
22	3	1996	kolkata
	MONTH		CITY
			delhi
16	4	2016	delhi delhi
 16 5	4 5	2016 2016	delhi delhi delhi delhi
16 5 21	4 5 9	2016 2016 2016 2016	delhi delhi delhi delhi delhi
16 5 21 11	4 5 9 11	2016 2016 2016 2016 2016	delhi delhi delhi delhi delhi delhi
16 5 21 11 19	4 5 9 11 4	2016 2016 2016 2016 2016 2017	delhi delhi delhi delhi delhi delhi delhi
16 5 21 11 19 20	4 5 9 11 4 4	2016 2016 2016 2016 2017 2017	delhi delhi delhi delhi delhi delhi delhi kolkata
16 5 21 11 19 20 6	4 5 9 11 4 4 2	2016 2016 2016 2016 2017 2017 2014	delhi delhi delhi delhi delhi delhi kolkata
16 5 21 11 19 20 6 30	4 5 9 11 4 4 2	2016 2016 2016 2016 2017 2017 2014 2015	delhi delhi delhi delhi delhi delhi kolkata kolkata

		YEAR CITY	
6	3	2007 kolkata	
7	3	2007 kolkata	
20	5	2007 kolkata	
28	8	2007 kolkata	
24	12	1998 kolkata	
25	12	1998 kolkata	
30	12	1998 kolkata	
31	12	1998 kolkata	
10	1	1999 kolkata	
24	9	2008 kolkata	
9	4	2009 kolkata	
		YEAR CITY	
 14	 11	2018 kolkata	
 14 15	 11 11	2018 kolkata 2018 kolkata	
 14 15 17	11 11 11	2018 kolkata 2018 kolkata 2018 kolkata	
 14 15 17 23	11 11 11 11	2018 kolkata 2018 kolkata 2018 kolkata 2019 kolkata	
 14 15 17 23 24	11 11 11 11 1 4	2018 kolkata 2018 kolkata 2018 kolkata 2019 kolkata 2019 kolkata	
14 15 17 23 24 22	11 11 11 1 1 4 3	2018 kolkata 2018 kolkata 2018 kolkata 2019 kolkata 2019 kolkata 2019 kolkata	
14 15 17 23 24 22 23	11 11 11 1 4 3	2018 kolkata 2018 kolkata 2018 kolkata 2019 kolkata 2019 kolkata 2000 kolkata 2000 kolkata	
14 15 17 23 24 22 23 24	11 11 11 1 4 3 3	2018 kolkata 2018 kolkata 2018 kolkata 2019 kolkata 2019 kolkata 2000 kolkata 2000 kolkata 2000 kolkata	
14 15 17 23 24 22 23 24 16	11 11 11 1 4 3 3 3 5	2018 kolkata 2018 kolkata 2018 kolkata 2019 kolkata 2019 kolkata 2000 kolkata 2000 kolkata 2000 kolkata 2000 kolkata 2000 kolkata	

DAY	MONTH	YEAR	CITY
19	5	2019	kolkata
18	6	2002	kolkata
19	6	2002	kolkata
20	6	2002	kolkata
21	6	2002	kolkata
26	10	2002	kolkata

160 rows selected.