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Labsheet4

1).
SQL> select city,avg(temp) from weather where month='5' group by city order by city desc;

CITY	AVG(TEMP)
mumbai	85.2651613
kolkata	85.888
delhi	89.6534194
chennai	88.636

2).
SQL>select city, avg(temp) as avg_temperature from weather where year between 1995 and 2020 group by city order by city;

CITY	AVG_TEMPERATURE
chennai	82.8219791 delhi
75.7865012 kolkata	
78.8528086	
mumbai	81.5042238

3).
SQL>select min(temp),max(temp),avg(temp) from weather where city='kolkata' and year between 2010 and 2020;

MIN(TEMP)	MAX(TEMP)	AVG(TEMP)
-99	96.3	79.0960345

4).
SQL> select city,avg(temp) from weather where month='4' and year='2019' and temp >=40 group by city;

CITY AVG(TEMP) ----
---------- ---------- chennai
89.1724138 mumbai
85.6896552 delhi
86.9307692 kolkata
85.1448276

5).
SQL> select month,avg(temp) from weather where city='chennai' and year='2019' group by month order by month;

MONTH AVG(TEMP)
---------- ----------
1 77.3451613
2 82.2678571
3 85.9064516
4 82.9
5 73.6064516
6 92.5466667
7 88.8967742
8 88.3709677
9 85.2066667
10 83.2806452
11 82.52

MONTH AVG(TEMP)
---------- ----------
12 79.6225806

12 rows selected.

6).
SQL> select year,avg(temp) from weather where city='mumbai' group by year order by avg(temp) DESC;

YEAR AVG(TEMP)

```
------ ----------
  2017 83.4043836
  2010 82.6871233
  2015 82.6166667
  2009 82.5021918
  2011 82.2846575
  2018 82.2526027
  2014 82.2515068
  2016 81.8393443
  1997 81.7857534
  1996  81.745082
  2013 81.7391781

  YEAR  AVG(TEMP)
------ ----------
  2000 81.7103825
  2012 81.6964481
  2007 81.4682192
  2003 81.4369863
  2006 81.3005479
  1999 81.2789041
  2005 81.2624658
  2001 81.0630137
  2004 80.6027322
  1995 80.5621918
2008  80.492623

  YEAR  AVG(TEMP)
------ ----------
  2002 80.1052055
  1998 80.0279452
  2019 79.8649315
2020  78.962963

26 rows selected.
```

7).
SQL> select city,year,avg(temp) from weather where year in(2017,2018,2019) group by city,year order by city,year;

CITY YEAR AVG(TEMP)
---------- ---------- ----------
chennai 2017 84.7586301
chennai 2018 83.8887671
chennai 2019 83.5249315
delhi 2017 77.9082192 delhi
2018 75.099726 delhi 2019
73.4953425 kolkata 2017
79.8583562 kolkata 2018
78.1339726 kolkata 2019
76.2112329 mumbai 2017
83.4043836 mumbai 2018
82.2526027 CITY YEAR
AVG(TEMP) ---------- ----------
---------- mumbai 2019
79.8649315

12 rows selected.