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Lab2, 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)?

select max(temp),min(temp),avg(temp) from india;

2. What is the average temperature in May 2019 in Chennai?

select avg(temp) from india where month=5 and year=2019 and city='chennai';

3. Which is the hottest day in 2019 in Delhi?

select 'hottest day',day,month from india where temp=(select max(temp) from india where year=2019 and city='delhi');

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

select 'coldest day',day,month from india where temp=(select min(temp) from india where year=2018 and city='chennai');

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

select city,temp,year from india where temp=(select min(temp) from india where month=12);

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

select 'hottest city',city from india where temp=(select max(temp) from india where year=2017);

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

select min(temp) , avg(temp) from india where city='delhi' and month=1 and year=2017;

select min(temp) , avg(temp) from india where city='mumbai' and month=1 and year=2017;

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

select day,month,year,city from india where temp=(select min(temp) from india);